

WOODWARD'S
SYNOPTICAL TABLE
OF
BRITISH
ORGANIC REMAINS.

SMALL PAPER.—PRICE FIVE SHILLINGS.

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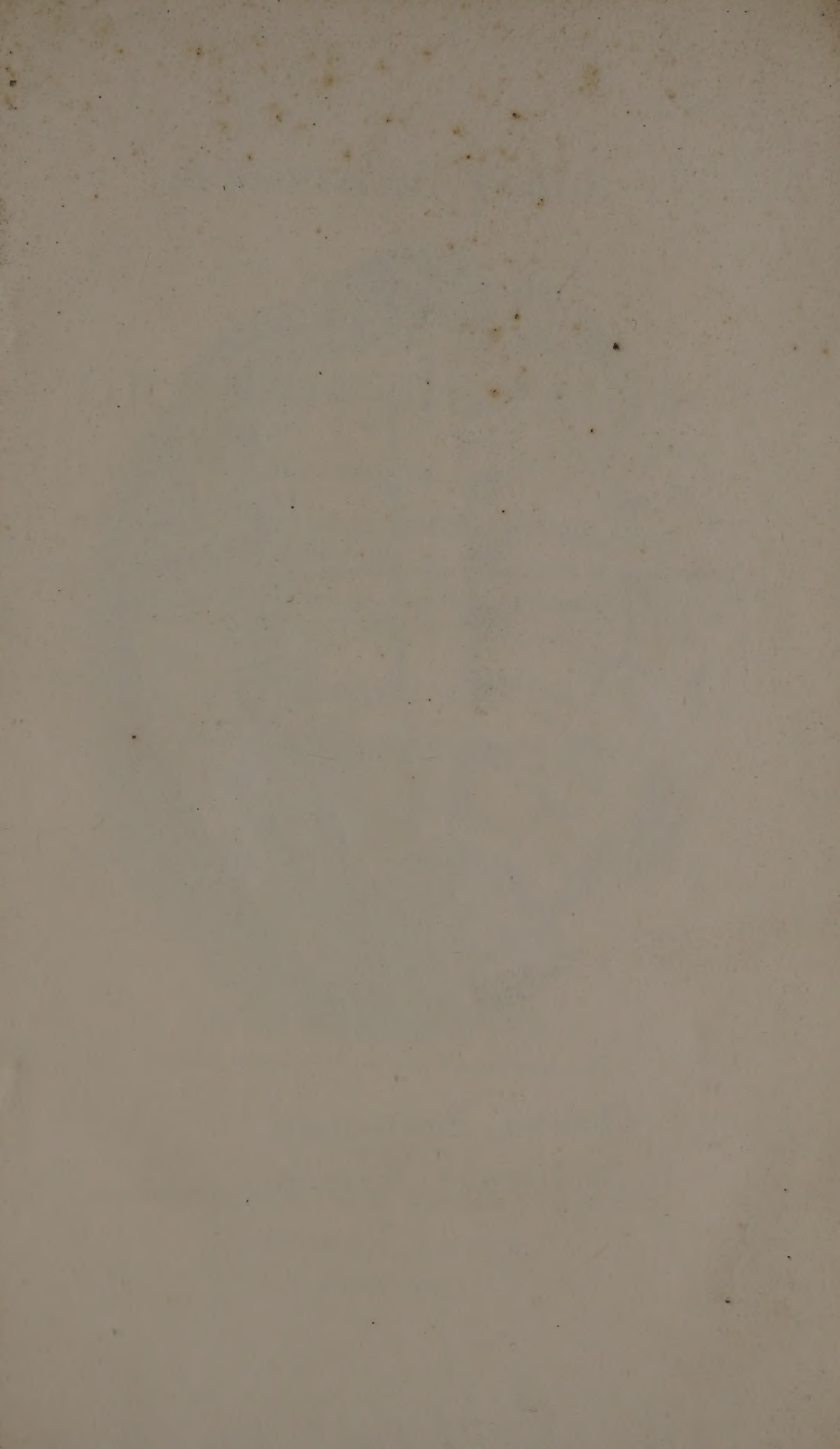
PLATE
ORGANIC REMAINS

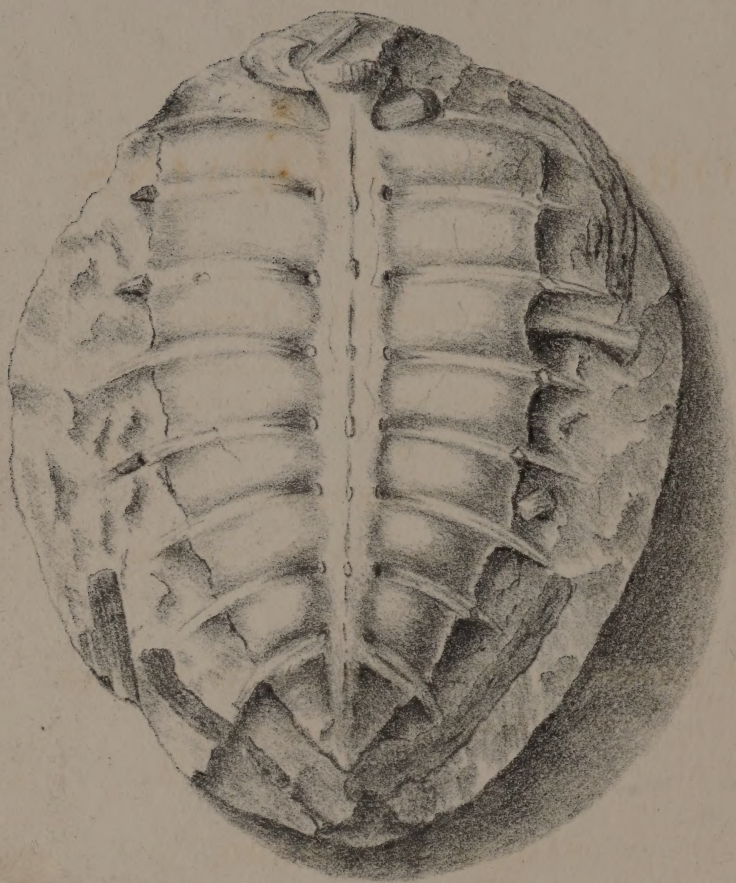
BRITISH
ORGANIC REMAINS.

BRITISH
ORGANIC REMAINS.

BRITISH

ORGANIC REMAINS





Chelonia Harvianensis.
In the Norwich Museum.

A
SYNOPTICAL TABLE
OF
BRITISH
ORGANIC REMAINS:

IN WHICH,

ALL THE EDITED BRITISH FOSSILS
ARE SYSTEMATICALLY AND STRATAGRAPHICALLY ARRANGED, IN ACCORDANCE
WITH THE VIEWS OF THE GEOLOGISTS OF THE PRESENT DAY;

AND

A REFERENCE GIVEN
TO THEIR LOCALITIES, STRATA, AND ENGRAVED FIGURES.

ACCOMPANIED BY

A LITHOGRAPH OF THE FOSSIL TURTLE
IN THE NORFOLK AND NORWICH MUSEUM.

BY

SAMUEL WOODWARD,

HONORARY MEMBER OF THE YORKSHIRE PHILOSOPHICAL SOCIETY.

LONDON:
LONGMAN, REES, ORME, BROWN, AND GREEN;
AND
JOHN STACY, NORWICH.
MDCCCXXX.

SYNOPTICAL TABLE

BRITISH

ORGANIC REMAINS:

AND ALL THE LOST BRITISH FOSSILS

AND THE REMAINS OF THE FOSSILS OF THE TERTIARY PERIOD

A REFERENCE TABLE

FOR THE USE OF THE STUDENT AND THE RESEARCHER

A HISTORY OF THE FOSSIL FOSSILS

OF THE TERTIARY PERIOD

SAMUEL WOODWARD

ESQ. F.R.S. &c. &c. &c.

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PREFACE.

IN submitting this Work to the public, the author hopes he is rendering a service to the science of Geology, by presenting its admirers with a Systematic and Stratigraphic View of all the edited British Fossils. As since the time of Lhwyd and Woodward, no attempt of the kind (that he is aware of) has been made, such a Work as this must therefore be a desideratum. The former published, in 1699, his "*Lythophylacii Britanici Ichnographia*," (a second edition of which was published by Huddesford, in 1760), containing a description, in Latin, of 1,766 Fossils in the Ashmolean Museum, Oxford, accompanied by engraved Figures. The latter formed a Catalogue of Fossils in his own collection, which was published after his decease, in 1729, entitled, "*An Attempt towards a Natural History of the Fossils of England*." These works are now very scarce, and, excepting the figures in Lhwyd, are nearly useless.

In constructing the present Synopsis, the author has carefully collated all the lists of Fossils published in recent Geological Works, and has omitted nothing in his power to render it complete; he is, however, aware that it is still necessarily imperfect, and must remain so, until the whole surface and substrata of the kingdom be scientifically investigated. The Papers of Drs. Buckland and Fitton, Messrs. Conybeare, De la Beche, Lyell, Murchison, Sedgwick, Webster, and other Geologists, published in the Transactions of the Geological Society and Annals of Philosophy, and the Works of Mr. Mantell on Sussex, and Mr. John Phillips on the Yorkshire Coast, together with the Messrs. Sowerby's splendid Work on Mineral Conchology, have contributed largely towards making known the Fossils imbedded in our Strata; such examples, it is hoped, will be followed, until a perfect Catalogue of British Organic Remains is obtained.

On looking over this Synopsis, a more than common deficiency will be observed in some of its branches: little attention has been paid to the Fossils of the Classes *Polypi*, *Radiaria*, *Crustacea*, and *Fishes*; and although many hundred species have been long known, no names have been assigned to them. The same would have been the case with the Plants, but for the recent researches of M. Adolphe Brongniart in this Country, by which a new light has been thrown on our Fossil Flora. The author trusts, that by these defects being made public, an interest will be excited to supply them. Mr. Hennah's Paper on the Animal Remains of the Plymouth Limestone, lately read before the Geological Society, will add much to our knowledge of the Fossils of the Class *Polypi*, which abound in that formation; and it is confidently hoped that Mr. Miller, of Bristol, has not abandoned the work on the *Spongia*, &c. of the Green Sand of Wiltshire, of which he some years ago published a Prospectus. It may also be interesting to the Oryctologist to be informed, that Dr. Fleming has a good series of the Corals of the Suffolk Crag, (all of which are unnamed), for the purpose of assigning names, which we hope soon to be favoured with. In the *Echinidæ*, according to a statement made by Mr. R. C. Taylor,* there are more than one hundred species at present known, without names; this defect, we are led to hope, the author of the "*Natural History of the Crinoidea*" will supply. Of the *Crustacea*, several unnamed species of different Families occur in the Chalk Marl of Ringmer, Sussex, which are figured in tab. 29 of Mr. Mantell's valuable Work "*On the Fossils of the South Downs*;" and Parkinson, in his "*Outlines of Oryctology*," says, that "more than thirty species have been collected in the Isle of Sheppey;" whereas, only three from that locality have been named.

In the general arrangement, the author has adopted the ascending series, as that used by the Geologists of the present day: he has followed M. Brongniart in the Plants, the Chevalier de la Marck in that part of the Invertebrata, in the knowledge of which he stands pre-eminent, and Dr. Fleming in the other branches. The stratigraphic sequence observed is conformable to recent discoveries.

There are many Organic Remains which could not be introduced in a scientific arrangement; these, together with some explanations,

* Vide "*Illustrations of Antediluvian Zoology and Botany*,"—"Magazine of Natural History," VOL. III. p. 278.

which were conceived necessary, are given in the form of Notes, at the end of the Table. The author would gladly have extended these Notes, for the purpose of pointing out the various names under which certain Fossils pass, and the changes which have taken place in the nomenclature of others; but he found them too numerous, and the subject at present too indetermined, to attempt it: he therefore abandoned the idea, and has noticed those only, the passing over of which in silence might have been deemed a defect.

As this Work was undertaken solely with the intent of promoting Science, it is hoped that its imperfections will be viewed with candour; and the author trusts, by his future attention to the subject, and the assistance of his friends, to be enabled to correct in a second edition, (should it be called for), whatever inaccuracies may have escaped his notice in the present.

In conclusion, the author begs leave to return his thanks to those gentlemen who have kindly promoted his views in this Work; particularly to RODERICK IMPEY MURCHISON, Esq. Secretary of the Geological Society, for valuable information and suggestions, and to express his regret that the M. S. did not come under his notice at an earlier period, (the Plan and Prospectus being then before the public) in order that he might have availed himself of them to the fullest extent. To the author of "*Icones Fossilium Sectiles*" he is obliged, for communicating the unpublished Figures of British Fossils, lithographed for the Second and Third Centuries of that Work, and is sorry that so useful and scientific a publication should, from unforeseen causes, be at a stand. To the Rev. G. R. LEATHES, of Shropham Hall, Norfolk, he is under obligations, for the Localities of numerous Fossils of the Suffolk Crag; and to GIDEON MANTELL, Esq. of Lewes, Sussex, for information respecting the Fossils of that county.

Norwich, July 1st, 1830.

GENERAL ARRANGEMENT OF ORGANIC REMAINS.

DIVISION.	CLASS.	FAMILY.	Page
PLANTS.	AGAMIA	Confervæ	1
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		Equisetaceæ	ib.
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		Characeæ	ib.
		Lycopodiaceæ	3
	PHANEROGAMIA	Cycadeæ	ib.
	GYMNOSPERMA	Coniferæ	ib.
		Palmae	4
	PHANEROGAMIA	Lilia	ib.
	MONOCOTYLEDONES ..	Cannæ	ib.
INVERTEBRAL ANIMALS.		Aceræ	ib.
		Flustradæ	4
		Escharadæ	ib.
		Tubiporadæ	5
	POLYPI	Milleporadæ	ib.
		Spongiadæ	ib.
		Corallinadæ	ib.
		Lamelliferæ	ib.
		Blastoidæ	6
	RADIARIA	Crinoidæ	ib.
		Asteriadæ	ib.
		Echinidæ	7
		Decapoda Brachyuri ..	ib.
	CRUSTACEA	Decapoda Macrouri ..	8
		Branchiopoda	ib.
		Trilobitæ	ib.
		Maldania	ib.
	ANNULATA	Serpulea	ib.
		Sessile Cirripeda	9
	CIRRIPEDA	Pedunculate Cirripeda	ib.
		Tubicolaria	ib.
		Pholadaria	ib.
		Solenacea	ib.
		Myaria	10
	CONCHIFERA	Mactracea	ib.
		Corbulea	ib.
		Lithophaga	11
		Nymphacea Solenaria ..	ib.
		Nymphacea Tellinaria	ib.

DIVISION.	CLASS.	FAMILY.	Page
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		Conchæ Marinæ . . .	ib.
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		Pachydermata . . .	ib.
		Rodentia . . .	ib.
		Carnivora . . .	ib.

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ARRANGEMENT OF THE STRATA CONTAINING ORGANIC REMAINS.

FORMATIONS.	STRATA.	CHARACTERISTIC FOSSILS.
MODERN	{ Alluvium Diluvium	Extinct sp. of Stag, Fluvatile Shells. Remains of extinct Mammalia.
TERTIARY	{ Crag Upper Marine Bagshot Sand Freshwater Beds London Clay and } Plastic Clay }	{ Marine exuviae, some of which agree with recent species. Nummulites. Fluvatile and Terrestrial Shells. Reptilia, Fish, Shells numerous, Seed-vessels, Dicotyledonous Plants, &c.
CHALK SERIES.	{ Chalk with Flints... Chalk without Flints }	{ Many extinct Genera of Testacea, Univalves scarce. First appear-
	{ Chalk Marl	ance of Belemnites & Ammonites.
GREEN SAND SERIES.	{ Upper Green Sand ...	Pecten orbicularis & quinquecostatus
	{ Gault	Belemnites Listeri, Inoceramus concentricus.
	{ Lower Green Sand ...	Trigonia, Pecten quadricostata, &c.
	{ Local Estuary formation. { Weald Clay .. Tilgate Beds .. Purbeck Limes.	{ Cypris, Cyclas, and Paludinae. Plants and Sauria. Fish and Testudines.
OOLITIC SERIES.	{ Portland Oolite	Cycadeoidea & Ammonites triplica-
	{ Kimmeridge Clay	Ostrea deltoidea, Sauria, &c. [tus.
	{ Coral Rag	{ Corals, Echini, and
	{ Calcareous Grit..... }	{ Ammonites vertebralis.
	{ Oxford Clay and }	Gryphæa dilatata, Megalosaurus.
	{ Kelloway's Rock }	Ammonites Callovicensis.
	{ Cornbrash	Echinidæ.
	{ Stonesfield Slate and }	{ Plants, Crustacea, Insects, Fishes,
	{ Forest Marble	{ Sauria, Testudines, &c.
	{ Up. Sandst. Shale & Coal	Plants of the Family Filices, &c.
CARBONIFEROUS SERIES.	{ Great or Bath Oolite ..	Madrepores and Testacea.
	{ L. Sandst. Shale & Coal	Cryptogamous Plants.
	{ Inferior Oolite	Testaceous Remains.
	{ Lias and Alum Shale ..	Dapedium Politum, Sauria, Pentacrinites, &c.
NEW RED SAND- STONE.	{ Magnesian Limestone }	{ Palæothrissum, and certain Fishes
	{ and Inf. Sandstone .. }	{ peculiar to rocks of this age.
OLD RED SANDST.	{ Coal and Coal Grits ... }	Arborescent Grasses, Ferns, &c.
	{ Mountain or Carboni- ferous Limestone .. }	{ Crinoidea, Producta, Spirifer, Euomphalus, &c.
	{ Old Red Sandstone and Conglomerate }	Organic Remains rare
TRANSITION	{ Transition Limestone and Sandstone }	Trilobites, Orthocera, &c.



A SYNOPTICAL TABLE

OF

BRITISH ORGANIC REMAINS.

PLANTS.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
AGAMIA			
<i>Confervæ</i>			
Confervites fasciculata	Brong. H. t. 1, f. 1	Chalk Marl	Hamsey ; Lewes.
<i>Algæ</i>			
Fucoides furcatus β	Brong. H. t. 5, f. 1	Stonesfield Slate	Stonesfield, Oxon.
Targionii	.. t. 4, f. 2	Up. Green Sand	Bignor, Sussex.
Brongniarti	Geol. Suss. t. 9, f. 1	Chalk	Lewes.
CRYPTOGAMIA			
VASCULAIRE			
<i>Equisetaceæ</i>			
Equisetum dubium	Brong. H. t. 12, f. 17	Coal	Wigan.
columnare	Geol.T. 2 ser.ii. t. 32	L. Coal of Oolite	High Whitby; Brora
laterale	Phillips, t. 10, f. 13	..	Saltwick, Yorks.
Calamites decoratus	Brong. H. t. 14, f. 1	Coal	Wigan.
Suckowii	.. f. 6	..	Ibid.
undulatus	.. t. 17, f. 1	..	Ibid.
ramosus	.. f. 5	..	Ibid.
dubius	.. t. 18, f. 1	..	Ibid.
cannæformis	.. t. 21	..	Ibid.
nodosus	.. t. 23, f. 2	..	Newcastle.
Steinhaueri	.. t. 18, f. 4	..	Wigan.
<i>Filices</i>			
Pachypteris lanceolata	Brong. Prod. pp. 50 & 198	L. Coal of Oolite	Whitby.
Sphenopteris furcata	.. pp. 50 & 168	Coal	Newcastle.
stricta	Sternb. t. 36, f. 2	..	Glasgow.
artemisiæfolia	.. t. 54, f. 1	..	Newcastle.
trifoliolata	Artis. t. 2	..	Yorkshire.
Hæninghausii	Brong. Prod. pp. 51 & 168	..	Newcastle.
gracilis	.. ..	..	Ibid.
Loshii	.. ..	..	Ibid.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Sphenopteris stipati</i>	Phillips, t. 10, f. 8	L. Coal of Oolite	Egton M.; Saltwick, &c.
<i>muscoides</i>	.. f. 10	..	Saltwick.
<i>lanceolata</i>	.. f. 6	..	Ibid.
<i>undulata</i>	.. p. 153	..	Ibid.
<i>crenulata</i>	Brong. Prod. pp. 50 & 198	..	Whitby.
<i>denticulata</i>	.. ..	..	Ibid.
<i>Williamsonis</i>	.. ..	..	Ibid.
<i>hymenophylloides</i>	.. pp. 51 & 198	..	Ibid.
<i>digitata</i>	Phillips, t. 8, f. 6	Up. & L. ditto	Yorkshire Coast.
<i>latifolia</i>	.. t. 7, f. 18	Up. Coal of Oolite	Scalby, Yorkshire.
<i>longifolia</i>	.. f. 17	..	Yorkshire Coast.
<i>macrophylla</i>	Brong. Prod. pp. 51 & 198	Stonesfield Slate	Stonesfield; Whitby
<i>Mantelli</i>	Tilg. Foss. t. 1, f. 3	Tilgate beds	Tilgate For.; Pounceford
<i>Cyclopteris auriculata</i>	Brong Prod. p. 168	Coal	Yorkshire.
<i>obliqua</i>	.. p. 52	..	Colebrook Dale.
<i>Nevropteris rotundifolia</i>	.. pp. 53 & 169	..	Yorkshire.
<i>Loshii</i>	.. ..	..	Newcastle.
<i>heterophylla</i>	Brong. Cl. t. 2, f. 6	..	Ibid.
<i>flexuosa</i>	Brong. Prod. pp. 53 & 160	..	near Bath.
<i>oblongata</i>	.. 54 & 169	..	Paulton, Somerset.
<i>lævigata</i>	Phillips, t. 10, f. 9	L. Coal of Oolite	Egton Moor; Haiburn.
<i>lobifolia</i>	.. t. 8, f. 13	Upper ditto	Yorkshire Coast.
<i>Pecopteris Bucklandii</i>	Brong. Prod. pp. 56 & 160	Coal	near Bath.
<i>Mantelli</i>	.. pp. 57 & 170	..	Newcastle.
<i>lonchitica</i>	Schloth. P. t. 11, f. 22	..	Ibid.
<i>Serlii</i>	Brong. Prod. pp. 57 & 170	..	Bath.
<i>nervosa</i>	Sternb. t. 59, f. 2	..	Wales.
<i>Miltoni</i>	Artis. t. 4	..	Yorkshire.
<i>plumosa</i>	.. t. 17	..	Ibid.
<i>Whitbiensis</i>	Brong. Prod. pp. 57 & 198	L. Coal of Oolite	Whitby.
<i>denticulata</i>	.. ..	..	Ibid.
<i>Phillipsii</i>	.. ..	..	Ibid.
<i>polypodioides</i>	.. ..	..	Ibid.
<i>paucifolia</i>	Phillips, t. 8, f. 8	Upper ditto	nr. Gristhorpe Cliff,
<i>recentior</i>	.. f. 15	..	Ibid. [Yorksh. Co.
<i>exilis</i>	.. f. 16	..	Ibid.
<i>cæspitosa</i>	.. f. 10	..	Ibid.
<i>crenifolia</i>	.. f. 11	..	Ibid.
<i>hastata</i>	.. f. 17	..	Ibid.
<i>curtata</i>	.. f. 12	..	Ibid. & Egton Moors
<i>ligata</i>	.. f. 14	..	nr. Gristhorpe Cliff.
<i>Aspleniopteris Nilsoni</i>	.. t. 8, f. 4	..	Ibid.
<i>Lonchopteris Mantelli</i>	Tilg. Foss. t. 3, f. 5	Tilgate beds	Hastings.
<i>Tæniopteris vittata</i>	Sternb. t. 37, f. 2	Lias	Whitby.
<i>latifolia</i>	Brong. Prod. pp. 62 & 199	Stonesfield Slate	Stonesfield.
<i>Sigillaria tessellata</i>	Schloth. P. t. 15, f. 3	Coal	Bath.
<i>Serlii</i>	Brong. Prod. pp. 66 & 172	..	Paulton, Somerset.
<i>appendiculata</i>	Artis. t. 16	..	Yorkshire.
<i>affinis</i>	König. Icon. 165	..	Newcastle.
<i>elegans</i>	.. 184	..	Northumberland.
<i>Marsileaceæ</i>			
<i>Sphenophyllum emarginatum</i>	Brong. Cl. t. 2, f. 8	Coal	Bath.
<i>truncatum</i>	Brong. Prod. pp. 63 & 172	..	Somersetshire.
<i>dentatum</i>	Sternb. t. 26, f. 4	..	Newcastle.
<i>Characeæ</i>			
<i>Chara tuberculata</i>	G.T. 2 ser. ii. t. 13, f. 7	Freshwater	Isle of Wight.
<i>Medicaginula</i>	.. f. 3	..	Ibid.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Lycopodiaceæ</i>			
<i>Lycopodites phlegmarioides</i>	Schloth. P. t. 22, f. 3	Coal	Newcastle.
<i>uncifolius</i>	Phillips, t. 8, f. 3	L. Coal of Oolite	Saltwick; & nr. Red Cliff
<i>Williamsonis</i>	Brong. Prod. pp. 83 & 199	..	Whitby.
<i>Selaginites patens</i>	.. pp. 84 & 173	Coal	Edinburgh.
<i>Lepidodendron Bucklandi</i>	.. pp. 85 & 173	..	Colebrook Dale.
<i>ophiurus</i>	Sternb. t. 56, f. 2	..	Newcastle.
<i>Underwoodianum</i>	Brong. Prod. pp. 85 & 173	..	Isle of Anglesea.
<i>ornatissimum</i>	Edin. Trans. ix. t. 14	..	Edinburgh.
<i>tetragonum</i>	Sternb. t. 54, f. 2	..	Newcastle.
<i>transversum</i>	Brong. Prod. pp. 85 & 173	..	Glasgow.
<i>Rhodianum</i>	.. ..	..	Yorkshire.
<i>cordatum</i>	Sternb. t. 56, f. 1	..	Durham.
<i>dubium</i>	Brong. Prod. pp. 86 & 173	..	Newcastle.
<i>cælatum</i>	Brong. Class. t. 1, f. 6	..	Yorkshire.
<i>discophorum</i>	König. Icon. 194	..	—
<i>serpentigerum</i>	.. 195	..	—
<i>exculptum</i>	.. 235	..	—
<i>Lepidostrobus ornatus</i>	Org. Rem. i. t. 9, f. 1	..	Shropshire.
<i>undulatus</i>	Brong. Prod. pp. 67 & 174	..	Yorkshire.
<i>emarginatus</i>	.. ..	..	Ibid.
<i>Stigmaria reticulata</i>	Sternb. t. 29, f. 3	..	—
<i>ficoides</i>	Brong. Class. f. 7	..	Dudley.
<i>minima?</i>	Brong. Prod. pp. 88 & 174	..	Isle of Anglesea.
PHANEROGAMIA			
GYMNOSPERMA			
<i>Cycadeæ</i>			
<i>Cycadites latifolius</i>	Phillips, t. 10, f. 1	L. Coal of Oolite	Saltwick, Yorkshire
<i>gramineus</i>	.. f. 2	..	Ibid.
<i>lanceolatus</i>	.. f. 3	..	Yorkshire Coast.
<i>pectenoides</i>	.. t. 10, f. 4	..	Saltwick; Stonesfd.
<i>comptus</i>	.. t. 7, f. 20	Upper ditto	nr. Gristhorpe Cliff.
<i>tenuicaulis</i>	.. f. 19	..	Ibid.
<i>sulcicaulis</i>	.. f. 21	..	Ibid.
<i>pecten</i>	.. f. 22	..	Ibid.
<i>Zamites Bechii</i>	Geol. T. 2 ser. i. t. 7, f. 3	Lias	Axminster, Devon.
<i>Bucklandi</i>	.. f. 2	..	Ibid.
<i>Zamia Mantelli</i>	Brong. Prod. pp. 94 & 199	L. Coal of Oolite	Whitby.
<i>longifolia</i>	.. ..	..	Ibid.
<i>pennæformis</i>	.. ..	..	Ibid.
<i>elegans</i>	.. ..	..	Ibid.
<i>Goldiæi</i>	.. ..	..	Ibid.
<i>acuta</i>	.. ..	..	Ibid.
<i>lævis</i>	.. ..	..	Ibid.
<i>Youngii</i>	.. ..	..	Ibid.
<i>pectinata</i>	Sternb. t. 33, f. 1	Stonesfield Slate	Stonesfield.
<i>patens</i>	Brong. Prod. pp. 94 & 199	..	Ibid.
<i>Pterophyllum Williamsonis</i>	.. pp. 95 & 199	L. Coal of Oolite	Whitby.
<i>Cycadeoidea megalophylla</i>	Geol. T. 2 ser. ii. t. 47	Portland Oolite	Isle of Portland.
<i>microphylla</i>	.. t. 49	..	Ibid.
<i>Coniferaæ</i>			
<i>Taxites podocarpoides</i>	Brong. Prod. pp. 108 & 200	Stonesfield Slate	Stonesfield.
<i>Thuytes expansa?</i>	Phillips, t. 10, f. 11	U. & L. C. of Oolite	Saltwick, & Haiburn
<i>divaricata</i>	Sternb. t. 37, f. 1	Stonesfield Slate	Stonesfield.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Thuytes cupressiformis</i> <i>acutifolia</i> <i>Brachyphyllum mamillare</i>	Sternb. t. 33, f. 2. .. f. 3. Brong. Prod. pp. 109 & 200	Stonesfield Slate .. L. Coal of Oolite	Stonesfield. Ibid. Whitby.
PHANEROGAMIA MONOCOTYLEDONES			
<i>Palmæ</i>			
<i>Flabellaria viminea</i> <i>Cocos Parkinsonis</i>	Phillips, t. 10, f. 12 Org. Rem. i. t. 7, f. 1	L. Coal of Oolite London Clay	Saltwick; & nr. Red Cliff Isle of Sheppey.
<i>Lilia</i>			
<i>Bucklandia squamosa</i> <i>Clathraria Lyellii</i>	Sternb. t. 30 Tilg. Foss. t. 1. f. 1	Stonesfield Slate Tilgate beds	Stonesfield. Tilgate Forest.
<i>Cannæ</i>			
<i>Endogenites erosa</i> <i>Sternbergia angulosa</i> <i>distans</i>	Tilg. Foss. t. 3, f. 1 Artis. t. 8 Brong. Prod. pp. 137 & 175	Tilgate beds Coal ..	Tilg. For.; Hastings. Yorkshire. Edinburgh.
<i>Trigonocarpum Parkinsonis</i> <i>Musocarpum contractum</i> <i>Amomocarpum depressum</i> <i>Pandauocarpum pyramidatum</i>	Org. Rem. i. t. 7, f. 6 Brong. Prod. p. 175 .. pp. 137 & 209 .. p. 209	.. .. London Clay ..	Leicestershire. Oldham. Isle of Sheppey, Ibid.
PHANEROGAMIA DICOTYLEDONES			
<i>Aceræ</i>			
<i>Carpolithus Mantelli</i> <i>num. spec.</i> <i>thalictroides</i>	Tilg. Foss. t. 3. f. 1 Brong. Prod. pp. 150 & 209 Geol. T. 2 ser. ii. p. 290	Tilgate beds London Clay Freshwater	Tilgate Forest. Isle of Sheppey. Hordwell Cl. Hants.
CLASS UNCERTAIN			
<i>Phyllites nervulosus</i> <i>Annularia fertilis</i> <i>longifolia</i> <i>Asterophyllites tenuifolia</i>	Phillips, t. 8, f. 9 Sternb. t. 51, f. 2 Schloth. Flo. t. 1, f. 4 .. f. 2	Up. Coal of Oolite Coal	Gristhorpe Cliff. Bath. Ibid. Newcastle.

INVERTEBRAL ANIMALS.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
POLYPI			
<i>Flustradæ</i>			
<i>Flustra crinoidea</i> <i>reticularis</i> <i>tesselata?</i>	Miller, M. S. König. Icon. 61 M. S. Geol. Norfolk	Mt. Limestone Chalk ..	Arran, N. Britain. Lewes; Norwich. Whitlingham, nr. Norw.
<i>Escharadæ</i>			
<i>Retepora flustriformis</i> <i>elongata</i> <i>virgulacea</i> <i>flustracea</i>	Mart. Derb. t. 43 Fleming, p. 531 G.T. 2 ser. iii. t. 12, f. 6 .. f. 8	Mt. Limestone .. Mag. Limestone ..	Middleton; Arran. Rutherglen, Lanark. Humbleton, Northumb. Ibid.
<i>Cellepora Urii</i>	Fleming, p. 533	Mt. Limestone	Rutherglen.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Berenicea diluviana</i>	Geol. Eng. p. 214	Great Oolite	Bradford, Wilts.
<i>Smithii</i>	Phillips, t. 7, f. 8	Cornbrash	Scarborough.
<i>Alecto dichotoma</i>	Geol. Eng. p. 214	Great Oolite	Bradford, Wilts.
<i>Tubiporadæ</i>			
<i>Tubipora catenata</i>	Org. Rem. ii. t. 3, f. 4	Mt. Limestone	Winster, & Gloucestersh.
<i>ramulosa</i>	.. f. 1	..	Mendip Hills.
<i>radiata</i>	Mart. Derb. t. 18	..	Winster, Derbysh.
<i>strues</i>	Org. Rem. ii. t. 2, f. 1	Inferior Oolite	Westmoreland.
<i>Favosites septosus</i>	Fleming, p. 529	Mt. Limestone	Scotland.
<i>depressus</i>	..	..	Ibid.
<i>ramosus</i>	Geol. T. 2 ser. iii. p. 36	..	Arran, N. Britain.
<i>Terebellaria ramosissima</i>	Smith, f. 5	Great Oolite	Bradford, & Farley [Castle, Wilts.]
<i>Milleporadæ</i>			
<i>Millepora ramosa</i>	Org. Rem. ii. t. 8, f. 3	Limestone	Wiltshire.
<i>straminea</i>	Phillips, t. 9, f. 1	Cornbrash	Grithorpe, & Scarboro'.
<i>Gilberti</i>	Geol. Suss. p. 106	Up. Green Sand	Southbourn, Sussex.
<i>Fittoni</i>	.. t. 15, f. 10	Chalk Marl	Hamsey, ditto.
<i>globularis</i>	Phillips, t. 1, f. 12	Chalk	Dane's Dike; Norw.
<i>Lunulites urceolata</i>	.. f. 11	..	Dane's Dike, Yorks.
<i>Orbitolites lenticulata</i>	Geol. Suss. t. 16, f. 22	..	Lewes.
<i>Spongiadæ</i>			
<i>Spongia</i> [fungiform] <i>plana</i>	Phillips, t. 1, f. 1	Chalk	[lington. Dane's Dike, & Brid-
<i>capitata</i>	.. f. 2	..	Ibid.
<i>osculifera</i>	.. f. 3	..	Ibid.
<i>Benettii</i>	.. f. 4	..	Ibid.
<i>marginata</i>	.. f. 5	..	Ibid.
<i>convoluta</i>	.. f. 6	..	Ibid.
<i>lobata</i>	Org. Rem. ii. t. 7, f. 6	..	Lewes; Norwich.
[fistuliform] <i>radiciformis</i>	Phillips, t. 1, f. 9	..	Dane's D. & Bridlington.
<i>terebata</i>	.. f. 10	..	Bridlington.
[funnel-formed] <i>porosa</i>	.. f. 8	..	Ibid.
<i>lævis</i>	.. f. 8 α	..	Ibid.
<i>cribrosa</i>	.. f. 7	..	Dane's Dike, Yorks.
[ramose] <i>floriceps</i>	Phillips, t. 3, f. 8	Coral Rag	Hackness & Malton.
<i>paradoxica</i>	Geol. T. ii. t. 27, f. 1	Red Chalk	Southbourn; Hunstanton.
<i>ramosa</i>	Geol. Suss. t. 15, f. 11	Chalk	Lewes; Warminster.
<i>Spongius labyrinthicus</i>	.. f. 7	..	Lewes; Heytesbury.
<i>Townsendi</i>	.. f. 9	..	Lewes; Warminster.
<i>Siphonia Websteri</i>	Geol. T. ii. t. 27, 28, 29	Up. Green Sand	Southbourn & I. of Wight
<i>Ventriculites radiatus</i>	Geol. Suss. t. 10—13	Chalk	Lewes.
<i>Benettii</i>	.. t. 15, f. 3	..	Ibid.
<i>alcyonoides</i>	Smith, f. 1	..	Ibid.; Warminster.
<i>quadrangularis</i>	Geol. Suss. t. 15, f. 6	..	Offham, Sussex.
<i>Choanites subrotundus</i>	.. f. 2	..	Lewes.
<i>flexuosus</i>	.. f. 1	..	Ibid.
<i>Königi</i>	.. t. 16, f. 19	..	Ibid.; Warminster.
<i>Paramoudra</i> ———	Geol. T. iv. t. 24	..	Belfast; Thorpe, [Norfolk.]
<i>Corallinidæ</i>			
<i>Isis</i> ? ———	Org. Rem. ii. p. 73	Limestone	Calne, Wiltshire.
<i>Lamelliferæ</i>			
<i>Sarcinula punctata</i>	Org. Rem. ii. t. 7, f. 4	Mt. Limestone	Gloucestershire.
<i>angularis</i>	.. f. 3	..	Dudley.
<i>Lithostrotion striatum</i>	.. t. 5, f. 6	..	Wales.
<i>floriforme</i>	Mart. Derb. t. 43	..	Bristol.
<i>marginatum</i>	Fleming, p. 508	..	Scotland.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Caryophyllea fasciculata</i>	Org. Rem. ii. t. 6, f. 8	Mt. Limestone	Bristol.
<i>duplicata</i>	Mart. Derb. t. 30	..	Bakewell, Derbysh.
<i>affinis</i>	.. t. 31	..	Winstor, ditto
<i>junceæ</i>	Fleming, p. 509	..	Rutherglen, Lanark.
<i>convexa</i>	Phillips, t. 11, f. 1	Inferior Oolite	Blue Wick, Yorks.
<i>cylindrica</i>	.. t. 3, f. 5	Coral Rag	Malton; Seamer, &c.
<i>cæspitosa</i>	.. p. 126	..	Hackness & Malton.
<i>flexuosa</i>	..	..	Malton, Yorkshire.
<i>annularis</i>	Org. Rem. ii. t. 5, f. 5	Portland Oolite	Steeple Ashton, Wilts
<i>conula</i>	Phillips, t. 2, f. 1	Gault	Speeton, Yorkshire.
<i>centralis</i>	Geol. Suss. t. 16, f. 2	Chalk	Lewes; Heytesb.; Norw.
<i>Turbinolia fungites</i>	Fleming, p. 510	Mt. Limestone	Rutherglen, Lanark.
<i>dispar</i>	Phillips, t. 3, f. 4	Coral Rag	Malton, &c. Yorks.
<i>Königi</i>	Geol. Suss. t. 19, f. 22	Gault	Ringmer; Bletchingley.
<i>sulcata</i>	Geol. Eng. p. 1	London Clay	Barton, Hants.
<i>sepulta</i>	Fleming, M. S.	Crag	Aldborough, Suffolk.
<i>Cyclolites elliptica</i>	Geol. Eng. p. 245	Inferior Oolite	
<i>Explanaria flexuosa</i>	Org. Rem. ii. t. 7, f. 11	Coral Rag	Steeple Ashton.
<i>Astrea undulata</i>	.. t. 6, f. 10	Mt. Limestone	Bristol.
<i>favosides</i>	Phillips, t. 3, f. 7	Coral Rag	Malton, &c. Yorks.
<i>inæqualis</i>	.. p. 126	..	Ibid.
<i>micrastron</i>	..	..	Hackness; Ebberston, &c.
<i>arachnoides</i>	Org. Rem. ii. t. 6, f. 4	..	Malton, & Wiltshire.
<i>tubulifera</i>	Phillips, t. 3, f. 6	..	Ibid.
<i>Porites cellulosa</i>	Org. Rem. ii. t. 5, f. 9	Mt. Limestone	Mendip Hills.
RADIARIA			
<i>Blastoidæ</i>			
<i>Pentremites Derbiensis</i>	Zool. Jour. ii. p. 317	Carb. Limestone	Derbyshire.
<i>globosus</i>	.. p. 314	..	Bath.
<i>ellipticus</i>	.. p. 318	..	Preston, Lanc.
<i>Crinoidæ</i>			
<i>Apiocrinites rotundus</i>	Miller, p. 18	Great Oolite	[Tortworth. Bradford; Weymouth;
<i>ellipticus</i>	.. 33	Chalk	Lewes; Northfleet.
<i>Pentacrinites Cap. Medusæ</i>	.. 46	Lias	Bristol; Gristhorpe.
<i>Briareus</i>	.. 56	..	Lyme Regis.
<i>subangularis</i>	.. 59	..	Ibid.
<i>basaltiformis</i>	.. 62	..	Ibid.; Pyrton.
<i>tuberculatus</i>	.. 64	..	Pyrton Passage.
<i>Poteriocrinites crassus</i>	.. 68	Mt. Limestone	Bristol; Yorks.; Arran.
<i>tenuis</i>	.. 71	..	Ibid.; Mendip Hills.
<i>Platycrinus lævis</i>	.. 74	..	Ibid. &c.
<i>rugosus</i>	.. 79	..	Mendip H.; Caldý Is.
<i>tuberculatus</i>	.. 81	..	Ibid.
<i>granulatus</i>	.. 82	..	Mendip Hills.
<i>striatus</i>	..	..	Bristol.
<i>pentangularis</i>	.. 83	..	Ibid.; Mendip Hills.
<i>Cyathocrinites planus</i>	.. 85	Mag. Limestone	Clevedon; Humbleton.
<i>quinquangularis</i>	.. 92	..	Clevedon, Somerset.
<i>tuberculatus</i>	.. 88	Trans. Limestone	Dudley.
<i>rugosus</i>	.. 89	..	Shropshire.
<i>Actinocrinites triacantadactylus</i>	.. 95	Mt. Limestone	Craven, Yorkshire.
<i>polydactylus</i>	.. 103	..	Mendip Hills.
<i>Rhodocrinites verus</i>	.. 106	..	Bristol, & Forest of Dean.
<i>Asteriadæ</i>			
<i>Asterias</i>	Mag. N. H. ii. p. 73	Cornbrash	Horsington, Somers.
<i>regularis</i>	Org. Rem. iii. t. 1, f. 3	Chalk	Swaffham; Lewes.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Asterias semilunatus</i>	Org. Rem. iii. t. 1, f. 1	Chalk	Swaffham; Lewes.
<i>Ophiura Milleri</i>	Phillips, t. 13, f. 20	Lias	Staithe, Yorkshire.
<i>Marsupites ornatus</i>	Miller, p. 136	Chalk	Lewes; Brighton.
<i>Echinide</i>			
<i>Echinus germinans</i>	Phillips, t. 3, f. 15	Calcareous Grit	Malton & Whitwell.
Benettiae	König. Icon. 35	L. or U. Gn. Sand?	Chute Farm, Wilts.
areolatus	.. 100*	..	Wilts.; Lyme Regis.
variolatus	Org. Rem. iii. t. 1, f. 8	..	Stonesfield, Oxon.
saxatilis	.. t. 3, f. 1	Chalk	Norwich; Hamsey.
Königi	.. t. 1, f. 10	..	Brighton & Lewes.
<i>Cidaris vagans</i>	Phillips, t. 7, f. 1	Cornbrash	Scarboro' & EweNab
diadema	Org. Rem. iii. t. 1, f. 4	Coral Rag	Calne, Wiltshire.
papillata	.. f. 9	..	Ibid.
intermedia	.. t. 4, f. 20	..	Malton; Slingsby; Wilts.
florigemma	Phillips, t. 3, f. 12	..	Malton; Calne.
monilipora	.. p. 127	..	Malton, and Wilts.
mammillata	Org. Rem. iii. t. 1, f. 6	L. or U. Gn. Sand?	Wiltshire.
cretosa	.. t. 4, f. 3	Chalk	Lewes; Northfleet.
variolaris	G. T. 2 ser. iii. p. 205	..	Lewes; Lyme.
<i>Clypeus orbicularis</i>	Phillips, t. 7, f. 3	Cornbrash	Scarborough.
clunicularis	.. f. 2	..	Ibid. & Malton.
sinuatus	Org. Rem. iii. t. 2, f. 1	Coral Rag	Malton?
emarginatus	Phillips, t. 3, f. 18	..	Ibid. & Scarborough.
semisulcatus	.. f. 17	..	Malton, & Wilts.
dimidiatus	.. f. 16	..	Ibid. & Oxon.
<i>Galerites depressus</i>	.. t. 7, f. 4	Cornbrash	Malton & Scarboro'.
vulgaris	Org. Rem. iii. t. 2, f. 8	Chalk	South Downs; Lyme.
Albogalerus	Geol. Suss. t. 17, f. 8	..	Lewes; Lyme; & Yorks.
subrotundus	.. f. 15	..	Lewes; Norwich.
<i>Clypeaster pentagonalis</i>	Phillips, t. 4, f. 24	Calcareous Grit	Scarborough.
<i>Fibularia Suffolciensis</i>	Leathes, M. S.	Crag	Sutton, Suffolk.
<i>Echinoneus lampas</i>	Geol. T. 2 ser. i. t. 3, f. 3	L. or U. Gn. Sand?	Lyme Regis.
<i>Ananchytes ovatus</i>	Smith, f. 10	Chalk	Norwich; Lewes.
pustulosus	M. S. Geol. Norfolk	..	Norwich.
hemisphericus	Phillips, p. 119	..	Dane's D.; S. Downs.
intumescens	..	..	Dane's Dike, Yorks.
scutatus	Org. Rem. iii. t. 2, f. 4	..	Lewes. [borough.
<i>Spatangus ovalis</i>	Phillips, t. 4, f. 23	Coral Rag	Malton; Hackness; Scar-
ornatus	Geol. T. 2 ser. ii. p. 113	L. or U. Gn. Sand?	Lyme Regis, Dorset.
suborbicularis	.. p. 114	..	Ibid.
argillaceus	Phillips, t. 2, f. 4	Gault	Speeton, & Wilts.
Murchisonia	König. Icon. 169	Upper Green Sand	Nursted; Southbn.
cordiformis	Geol. Suss. p. 108	Chalk Marl	Middleham; Norw.
rostratus	.. t. 17, f. 10	Chalk	Brighton, & Norfolk
Prunella?	.. f. 22	..	Brighton.
Cor anguinum	Org. Rem. iii. t. 3, f. 11	..	Norwich; Lewes; Lyme.
planus	Phillips, t. 1, f. 15	..	Dane's Dike; Lewes.
hemisphericus	.. f. 16	..	Knapton & Dane's D.
Lævis	Geol. T. 2 ser. ii. p. 111	..	Lyme Regis, Dorset.
CRUSTACEA			
<i>Decapoda Brachyuri</i>			
<i>Cancer tuberculatus</i>	König. Icon. 54	London Clay	Sheppey, Kent.
Leachii	Brong. t. 8, f. 5	..	Ibid.
<i>Inachus Lamarckii</i>	.. t. 9, f. 15	..	Ibid.
<i>Decapoda Macrouri</i>			
<i>Astacus longimanus</i>	König. Icon. 229	Lias	Lyme Regis.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Astacus rostratus</i>	Phillips, t. 4, f. 20	Coral Rag	Malton, Yorkshire.
<i>ornatus</i>	Phillips, t. 3, f. 2	Gault	Speeton, Yorkshire.
<i>Leachii</i>	Geol. Suss. t. 29	Chalk	Offham & Lewes.
<i>Sussexiensis</i>	.. t. 30, f. 3	..	Lewes; Southerham.
<i>Pagurus Faujasii</i>	Geol. Suss. t. 29, f. 3	Chalk	Lewes.
<i>Eryon</i> ———	.. f. 2	..	Ibid.
<i>Scyllarus Mantelli</i>	Brong. p. 130	..	Ibid.
<i>Palinuris Suerii</i>	.. t. 10, f. 8	Limestone	Leeds, Yorkshire.
<i>Branchiopoda</i>			[Hastings.
<i>Cypris Faba?</i>	Min. Con. t. 485	Weald Clay	Cook's Bridge, and
<i>Trilobitæ</i>			[field.
<i>Calymene Blumenbachii</i>	Mag. N. H. 1829	Trans. Limestone	Dudley; Tortworth; Char-
<i>variolaris</i>	Brong. t. 1, f. 3	..	Dudley, & Glostersh.
<i>macrophthalma</i>	.. f. 4 & 5	..	Colebrook Dale; Dudley.
<i>Asaphus Debuchii</i>	Mag. N. H. 1829	Trans. Slate	Builth, Wales.
<i>caudatus</i>	.. ..	Trans. Limestone	Barr; Dudley; Tortworth.
<i>cornigerus</i>	Brong. t. 4, f. 6	..	Llandeilo, Wales.
	.. f. 9	..	Dudley, Worcesters.
<i>Myops</i>	König. Icon. 53	..	Ibid.
<i>Entomolitus Derbyensis</i>	Mart. Derb. t. 47	..	Ashford, Derbysh.
<i>lunatus</i>	.. f. 4	Iron Stone	Mansfield, Notts.
ANNULATA			
<i>Maldania</i>			
<i>Dentalium giganteum</i>	Phillips, t. 14, f. 8	Lias	Robin Hood's Bay.
<i>quadratum</i>	.. p. 152	Great Oolite	Scarborough.
	.. t. 4, f. 37	Calcareous Grit	Causton, Yorkshire.
<i>medium</i>	Min. Con. t. 79	L. or U. Gn. Sand?	Blackdown.
<i>planum</i>	.. ..	..	Bognor, Sussex.
<i>septangulare</i>	Edin. Phil. J. xii. t. 9	..	Belfast.
<i>cylindricum</i>	Min. Con. t. 79	Iron Stone?	Exmouth, Devon.
<i>decussatum</i>	.. t. 70	Chalk Marl	Newtimber, Sussex.
<i>ellipticum</i>	.. ..	..	Folkstone; Ringmer.
<i>incrassatum</i>	.. t. 79	London Clay	Highgate; Richmond
<i>striatum</i>	.. t. 70	..	Hordwell; Ringmer.
<i>entale?</i>	.. ..	..	Hordwell & Barton Cliff.
<i>nitens</i>	.. ..	..	Highgate, Middles.
<i>costatum</i>	.. ..	Crag	Holywells, near Ips- [wich.
<i>Serpulea</i>			
<i>Serpula compressa</i>	Min. Con. t. 598	Mt. Limestone	Lothian.
<i>capitata</i>	Phillips, t. 14, f. 16	Lias	Robin Hood's Bay.
<i>deplexa</i>	.. t. 11, f. 26	Inferior Oolite	Blue Wick, Yorks.
<i>triangulata</i>	Min. Con. t. 608	Great Oolite	Bradford, Wilts.
<i>tetragona α</i>	.. t. 599	..	Diluvium, Suffolk.
————— β	.. ..	Cornbrash	Bedfordshire.
<i>vertebralis</i>	.. ..	..	Castle Hill, Bedford.
<i>intestinalis</i>	Phillips, t. 5, f. 21	Oxford Clay	Scarborough.
<i>lacerta</i>	.. t. 4, f. 35	Calcareous Grit	Ibid.
<i>sulcata</i>	Min. Con. t. 608	..	Shotover Hill, Oxon.
<i>tricarinata</i>	.. ..	..	Ibid.
<i>squamosa</i>	Phillips, t. 4, f. 15	Coral Rag	Scarborough.
<i>runcinata</i>	Min. Con. t. 608	..	Shotover Hill, Oxon.
<i>Carinella</i>	.. t. 598	L. or U. Gn. Sand?	Blackdown.
<i>antiquata</i>	.. ..	..	Wiltshire.
<i>rustica</i>	.. t. 599	Upper Green Sand	Folkstone, Kent.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Serpula articulata</i>	Min. Con. t. 599	Up. Green Sand	Folkstone, Kent.
<i>spirulæa</i>	Sow. Gen. No. 22	Chalk	Norwich.
<i>gramulata</i>	Min. Con. t. 597	..	..
<i>plana</i>	M. S. Geol. Norfolk	..	Norwich.
<i>ampulacea</i>	Min. Con. t. 597	..	Ibid.; Lewes.
<i>macropus</i>	.. ..	..	Norwich.
<i>Plexus</i>	.. t. 598	..	Ibid.; Lewes; Hamsey.
<i>fluctuata</i>	.. t. 608	..	Norwich.
<i>obtusa</i>	.. ..	..	Saham, Norfolk.
<i>crassa</i>	.. t. 30	London Clay	Highgate, Middles.
<i>extensa</i>	Brander, f. 12	..	Hordwell Cl. Hants.
<i>tenuis</i>	Min. Con. t. 598	Freshwater	Ibid.
CIRRIPEDA			
<i>Sessile</i>			
<i>Balanus crassus</i>	Min. Con. t. 84	Crag	[wich. Holywells, near Ips.
<i>tesselatus</i>	.. ..	..	Bramerton, Norf.
<i>balanoides</i> ?	M. S. Nor. Crag.	..	Ibid. & Thorpe.
<i>Pedunculate</i>			
<i>Pollicipes sulcatus</i>	Min. Con. t. 606	Chalk	Lewes; Norwich.
<i>maximus</i>	.. ..	..	Northfleet; Ibid.
<i>reflexus</i>	.. ..	Upper Marine	Colwell Bay, Isle of [Wight.
CONCHIFERA			
<i>Tubicolaria</i>			
<i>Clavagella coronata</i>	Min. Con. t. 488	London Clay	Hampshire Coast.
<i>Fistulana pyriformis</i>	Geol. Suss. p. 76	Gault	Willington, Sussex.
<i>personata</i>	Min. Con. t. 102	London Clay	Isle of Sheppey.
<i>Pholadaria</i>			
<i>Pholas priscus</i>	Min. Con. t. 581	Limestone	Sandgate, Kent.
<i>recondita</i>	Phillips, t. 3, f. 19	Coral Rag	Malton, Yorkshire.
<i>compressa</i>	Min. Con. t. 603	Kimmeridge Clay	Shotover Hill, Oxon.
<i>constricta</i>	Phillips, t. 2, f. 17	Gault	Speeton, Yorkshire.
<i>cylindrica</i>	Min. Con. t. 198	Crag	Walton, Suffolk.
<i>Gastrochæna tortuosa</i>	.. t. 526	Inferior Oolite	Bl. Wick, R. Hood's Bay.
<i>contorta</i>	.. ..	London Clay	Barton Cliff, Hants.
<i>Pholadomya lirata</i>	.. t. 197	Lias	Bath.
<i>deltoidea</i>	.. ..	..	Peterborough.
<i>obliquata</i>	Phillips, t. 13, f. 15	..	Bilsdale & BlueWick
<i>producta</i>	Min. Con. t. 197	Inferior Oolite	Bath; Peterborough
<i>obtusa</i>	.. ..	..	Bath & Dundry.
<i>fidicula</i>	.. t. 225	..	Norton-u-Ham; Bl. Wick.
<i>angustata</i>	.. t. 327	..	Nunney, Somerset.
<i>Murchisoni</i>	.. t. 545	..	Isle of Skye; Brora.
<i>acuticostata</i>	.. t. 546	..	Ibid.
<i>ambigua</i>	.. t. 227	Unknown	Norfolk.
<i>nana</i>	Phillips, t. 9, f. 7	Great Oolite	White Nab, Yorks.
<i>obsoleta</i>	.. t. 5, f. 24	Oxford Clay	Scarborough.
<i>simplex</i>	.. t. 4, f. 31	Calcareous Grit	Gristhorpe, Yorks.
<i>ovalis</i>	Min. Con. t. 226	Portland Oolite	Felmersham; Portland.
<i>æqualis</i>	.. t. 546	..	Weymouth, Dorset.
<i>decussata</i>	Phillips, t. 2, f. 9	Gault	Speeton, Yorkshire.
<i>margaritacea</i>	Min. Con. t. 297	London Clay	Isle of Thanet.
<i>Solenacea</i>			
<i>Solen affinis</i>	Min. Con. t. 3	London Clay	Highgate, Middles.
<i>siliqua</i> ?	M. S. Nor. Crag	Crag	Thorpe, nr. Norwich

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Panopæa gibbosa</i>	Min. Con. t. 42	Great Oolite	Bath.
<i>plicata</i>	.. t. 419	L. or U. Gn. Sand?	Sandgate & Margate.
<i>intermedia</i>	.. t. 76 & 419	London Clay	Bognor, Sussex.
<i>Faujasi</i>	.. t. 602	Crag	Ipswich.
<i>Myaria</i>			
<i>Mya V-scripta</i> β	Min. Con. t. 224	Inferior Oolite	Claydon; Brora.
<i>literata</i> α	.. ..	..	Felmersham; Brora.
<i>calceiformis</i>	Phillips, t. 11, f. 3	..	Blue Wick, Yorks.
<i>dilata</i>	.. f. 4	..	Glaizedale, ditto.
<i>æquata</i>	.. f. 12	..	Blue Wick. [Bath.
<i>angulifera</i>	Min. Con. t. 224	Fuller's Earth	Smallcomb; Beacon Hill;
<i>V-scripta</i> γ	.. ..	Cornbrash	Bedford Castle.
<i>a</i>	.. ..	Kelloway's Rock	Kelloway's Br. Wilts.
<i>literata</i> β	.. ..	Coral Rag	Scarborough; Brora.
<i>depressa</i>	.. t. 418	Oolite?	Weymouth; Brora.
<i>gibbosa</i>	.. t. 419	..	Osmington, Dorset.
<i>Mandibula</i>	.. t. 43	Low. Green Sand	Devizes; Pulboro'; Lyme
<i>phaseolina</i>	Phillips, t. 2, f. 13	Gault	Speeton, Yorkshire.
<i>plana</i>	Min. Con. t. 76	Plastic Clay	Plumstead, Kent.
<i>subangulata</i>	.. ..	London Clay	Barton Cliff, Hants.
<i>angustata</i>	.. t. 531	Upper Marine	Colwell Bay.
<i>gregaria</i>	.. t. 363	Freshwater	Headon Hill. [ton.
<i>arenaria</i>	.. t. 364	Crag	Holywells; Brammer-
<i>Pullus</i>	.. t. 531	..	Butley, Suffolk.
<i>lata</i>	.. t. 81	..	Bramerton, Norf.
<i>subovata</i>	M. S. Nor. Crag	..	Ibid.
<i>truncata?</i>	.. ..	..	Ibid.
<i>Maत्रracea</i>			
<i>Lutraria gibbosa</i>	Geol. T. 2 ser. i. p. 352	Inferior Oolite	Tortworth, Glosters.
<i>striata</i>	Min. Con. t. 534	U. or L. Gn. Sand?	Lyme Regis.
<i>carinifera</i>	.. ..	Chalk	Dowlands, Devon.
<i>oblata</i>	.. ..	London Clay	Bognor, Sussex.
<i>Mactra arcuata</i>	.. t. 160	Crag	Holywells, nr. Ipsw.
<i>dubia</i>	.. ..	..	Ipswich & Woodbr.
<i>ovalis</i>	.. ..	..	Sandlands Suf.; Bramern.
<i>cuneata</i>	.. ..	..	Bramerton & Thorpe
<i>magna</i>	M. S. Nor. Crag	..	Postwick, Norfolk.
<i>Listeri?</i>	.. ..	..	Bramerton, ditto
<i>Crassatella sulcata</i>	Min. Con. t. 345	London Clay	Barton, Hants.
<i>plicata</i>	.. ..	..	near Southampton.
<i>compressa</i>	G. T. 2 ser. iii. p. 202	..	Bracklesham, Suss.
<i>Amphidesma donaciforme</i>	Phillips, t. 12, f. 5	Lias	Rosebury, & c. York.
<i>rotundatum</i>	.. f. 6	..	Ibid.
<i>securiforme</i>	.. t. 7, f. 10	Inferior Oolite	Glaizedale, Bl. Wick
<i>decurtatum</i>	.. f. 11	Great Oolite	White Nab, Yorks.
<i>recurvum</i>	.. t. 5, f. 25	Coral Rag	Malton, ditto.
<i>Corbulea</i>			
<i>Corbula limosa</i>	Fleming, p. 426	Carb. Limestone	Scotland.
<i>cardioides</i>	Phillips, t. 14, f. 12	Lias	Robin Hood's Bay.
<i>obscura</i>	Min. Con. t. 572	Coal of Oolite	Brora, Sutherland.
<i>depressa</i>	Phillips, t. 9, f. 16	Great Oolite	Cloughton Wyke, Yorks.
<i>curtansata</i>	.. t. 3, f. 27	Coral Rag	Malton, Yorkshire.
<i>striatula</i>	Min. Con. t. 572	Low. Green Sand	Parham; Pulboro'.
<i>gigantea</i>	.. t. 209	L. or U. Gn. Sand?	Blackdown.
<i>lævigata</i>	.. ..	..	Ibid.
<i>elegans</i>	.. t. 572	..	Ibid.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Corbula punctum</i>	Phillips, t. 2, f. 6	Gault	Speeton, Yorkshire.
<i>globosa</i>	Min. Con. t. 209	London Clay	Highgate, Middles.
<i>Pisum</i>	.. ..	..	Barton & Hordwell
<i>revoluta</i>	.. ..	..	Ibid. [Cliff.
<i>nitida</i>	.. t. 362	Up. Freshwater	Isle of Wight.
<i>cuspidata</i>	.. ..	Upper Marine	Colwell & Whitecliff Bays
<i>complanata</i>	.. ..	Crag	Roydon, Suffolk.
<i>rotundata</i>	.. t. 572	..	Holywells, nr. Ipsw.
<i>Lithophaga</i>			
<i>Saxicava rugosa</i>	Min. Con. t. 466	Crag	Holywells; Thorpe.
<i>Petricola laminosa</i>	.. t. 573	..	Sutton, &c. Suffolk.
<i>Nymphacea Solenaria</i>			
<i>Sanguinolaria gibbosa</i>	Min. Con. t. 548	Mt. Limestone	Queen's Co. Ireland.
<i>elegans</i>	Phillips, t. 12, f. 9	Lias	Yorkshire Coast.
<i>undulata</i>	Min. Con. t. 548	Inferior Oolite	Brora; Scarborough
<i>Hollowaysii</i>	.. t. 159	London Clay	Bracklesham Bay.
<i>compressa</i>	.. t. 462	..	Barton Cliff, Hants.
<i>Psammobia laevigata</i>	Phillips, t. 4, f. 5	Inferior Oolite	Bl. Wick & Scarbro'.
<i>solida</i>	Min. Con. t. 342	Upper Marine	Headon Hill, Isle of Wight.
<i>Nymphacea Tellinaria</i>			
<i>Tellina ampliata</i>	Phillips, t. 3, f. 24	Coral Rag	Malton, Yorkshire.
<i>aqualis</i>	G. T. 2 ser. iii. p. 211	Low. Green Sand	Parham, Sussex.
<i>inaequalis</i>	Min. Con. t. 456	..	Ibid. & Blackdown.
<i>striatula</i>	.. ..	L. or U. Gn. Sand?	Blackdown.
<i>Branderi</i>	.. t. 402	London Clay	Barton Cliff, Hants.
<i>filosa</i>	.. ..	..	Ibid.
<i>ambigua</i>	.. t. 403	..	Ibid. & Colwell Bay.
<i>obliqua</i>	.. t. 161	Crag	Ipswich; Bramerton
<i>ovata</i>	.. ..	..	Bramerton, & Suff.
<i>obtusa</i>	.. t. 179	..	Woodbridge, Suff.
<i>prætenuis</i>	M. S. Nor. Crag	..	Postwick, Norfolk.
<i>Corbis uniformis</i>	Phillips, t. 12, f. 3	Lias	Whitby.
<i>ovalis</i>	.. t. 5, f. 29	Kelloway's Rock	Scarborough.
<i>laevis</i>	Min. Con. t. 580	Coral Rag	Malton; nr. Oxford.
<i>Lucina despecta</i>	Phillips, t. 9, f. 8	Great Oolite	Cloughton Wyke.
<i>lirata</i>	.. t. 6, f. 11	Kelloway's Rock	Scarborough.
<i>crassa</i>	Min. Con. t. 557	Calcareous Grit	Braambury & Brora.
<i>sculpta</i>	Phillips, t. 2, f. 15	Gault	Speeton, Yorkshire.
<i>mitis</i>	Min. Con. t. 557	London Clay	Barton Cliff, Hants.
<i>antiquata</i>	.. ..	Crag	Woodbridge, Suff.
<i>divaricata</i>	.. t. 417	..	Bramerton; Hordwell.
<i>Crassina minima</i>	Phillips, t. 9, f. 23	Lias	Rosebury & Bl. Wick
<i>lurida</i>	.. t. 5, f. 2	Oxford Clay	Scarborough.
<i>carinata?</i>	.. f. 3	Calcareous Grit	Ibid.
<i>extensa</i>	.. t. 3, f. 21	Coral Rag	Malton, Yorkshire.
<i>aliena</i>	.. f. 22	..	Ibid.
<i>ovata</i>	.. f. 25	..	Ibid.
<i>laevis</i>	.. t. 2, f. 18	Gault	Speeton, ditto.
<i>Astarte lurida</i>	Min. Con. t. 137	Inferior Oolite	Fox Hill, Glosersh.
<i>elegans</i>	.. ..	..	Yeovil; Brora.
<i>excavata</i>	.. t. 233	..	Dundry, Somerset.
<i>trigonalis</i>	.. t. 444	..	Ibid.
<i>ovata?</i>	Geol. Eng. p. 242	..	Somersetshire.
<i>modiolaris</i>	Sow. Gen. No. 4	..	
<i>orbicularis</i>	Min. Con. t. 444 & 520	..	Ancliff; Bath.
<i>pumila</i>	.. t. 444	Great Oolite	Ancliff, Wiltshire.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Astarte cuneata</i>	Min. Con. t. 137	Upper Oolite	Chilmark, Wilts.
<i>lineata</i>	.. t. 179	..	Headington, Oxon.
<i>obovata</i>	.. t. 353	Iron Sand	Sanddown Bay.
<i>striata</i>	.. t. 520	L. or U. Gn. Sand?	Blackdown.
<i>rugata</i>	.. t. 316	London Clay	Highgate, Middles.
<i>plana</i>	.. t. 179	Crag	Bramerton, Norf.
<i>antiquata</i>	M. S. Nor. Crag.	..	Ibid.
<i>obliquata</i>	Min. Con. t. 179	..	Holywells, nr. Ipsw.
<i>planata</i>	.. t. 257	..	Gunton, Suffolk.
<i>oblonga</i>	.. t. 521	..	Sutton, &c. ditto.
<i>imbricata</i>	.. ..	..	Ibid.
<i>nitida</i>	.. ..	..	Sandlands, Suffolk.
<i>bipartita</i>	.. ..	..	Ibid.
<i>Thetis major</i>	Min. Con. t. 513	Low. Green Sand	Blackdown; Parham Park
<i>minor</i>	.. ..	..	Shanklin Ch.; Parham P.;
<i>Myoconcha crassa</i>	.. t. 467	Inferior Oolite	Dundry. [Petersfield.
<i>Conchæ Fluviatilis</i>			
<i>Cyclas cornea</i>	G. T. 2 ser. iii. p. 215	Ashburnham beds	Maresfield, Hastings, &c.
<i>membranacea</i>	Min. Con. t. 527	Weald Clay	Pouncef., Ashburnham.
<i>media</i>	.. ..	..	Is. Wight; Tilg. For.; Skye
<i>deperdita?</i>	.. t. 162	Plastic Clay	Charlton, Plumstead
<i>cuneiformis</i>	.. ..	..	Ibid. [Skye.
<i>obovata</i>	.. ..	..	Charlton; Barton Cliff.
<i>Cyrena pulcher</i>	.. t. 527	Upper Marine	Hampstead Cl.; Is. Wight;
<i>Conchæ Marina</i>			
<i>Cytherea dolabra</i>	Phillips, t. 9, f. 12	Great Oolite	Cloughton Wyke.
<i>convexa</i>	Geol. Suss. t. 25, f. 2	Plastic Clay	Newhaven, Sussex.
<i>nitidula</i>	G. T. 2 ser. iii. p. 202	London Clay	Bracklesham, ditto.
<i>Venus varicosa</i>	Min. Con. t. 296	Cornbrash	Felmersham, Bedf.
<i>angulata</i>	.. t. 65	Low. Green Sand	Blackdn.; Parham.
<i>caperata</i>	.. t. 518	..	Blackdown; Lyme.
<i>ovalis</i>	.. t. 567	..	Parham, Feversham
<i>Faba</i>	.. ..	..	Parham & Shanklin.
<i>parva</i>	.. t. 518	..	Ibid.; Lyme.
<i>lineolata α</i>	.. t. 20	L. or U. Gn. Sand?	Blackdown.
<i>plana</i>	.. ..	..	Ibid.
<i>Ringmeriensis</i>	Geol. Suss. t. 25, f. 5	Chalk Marl	Ringmer & Middleham.
<i>incrassata</i>	Min. Con. t. 155	London Clay	Brockenhurst, Hants
<i>transversa</i>	.. t. 422	..	Barton Cliff.
<i>elegans</i>	.. ..	..	Ibid.
<i>pectenifera</i>	.. ..	..	Ibid.
<i>lineolata β</i>	.. ..	..	Ibid.
<i>æqualis</i>	.. t. 21	Crag	Woodb.; Bramerton
<i>rustica</i>	.. t. 196	..	Hollesley, Suffolk.
<i>lentifformis</i>	.. t. 203	..	Walton, &c. ditto.
<i>gibbosa</i>	.. t. 155	..	Sutton, ditto.
<i>turgida</i>	.. t. 256	..	Ramsholt, ditto.
<i>Pullastra oblita</i>	Phillips, t. 11, f. 15	Inferior Oolite	Blue Wick, Yorks.
<i>recondita</i>	.. t. 9, f. 13	Great Oolite	Cloughton Wyke; Brora.
<i>Venericardia Brongniarti</i>	G. T. 2 ser. iii. p. 203	Sandstone	Bognor, Sussex.
<i>planicosta</i>	Min. Con. t. 50	London Clay	Stubbington, & Bracklesh.
<i>carinata</i>	.. t. 259	..	Ibid. [Bay.
<i>deltoidea</i>	.. ..	..	Lyndhurst, Hants.
<i>oblonga</i>	.. t. 289	..	Barton Cliff.
<i>globosa α</i>	.. ..	..	Barton & Hordwell
<i>β</i>	.. ..	..	Ibid. [Cliff's.
<i>acuticosta</i>	G. T. 2 ser. iii. p. 202	.. ..	Bracklesham, Suss.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Venericardia senilis</i>	Min. Con. t. 258	Crag	Harwich, Ess. & Suff.
<i>chamaeformis</i>	.. t. 490	..	Sandlands, Suffolk.
<i>orbicularis</i>	.. ..	..	Sutton, ditto
<i>scalaris</i>	.. ..	..	Ibid.
<i>Cardiacea</i>			
<i>Cardium alaforme</i>	Min. Con. t. 552	Mt. Limestone	Torquay; Arran; Queen's [Co.
<i>Hibernicum</i>	.. t. 82 & 552	..	Black Rock, Cork.
<i>elongatum</i>	.. ..	..	Bakewell, Derbysh.
<i>truncatum</i>	.. ..	Lias	Braambury Hill, N.B.
<i>multicostatum</i>	Phillips, t. 13, f. 21	..	Bilsdale, Yorkshire.
<i>acutangulum</i>	.. t. 11, f. 6	Inferior Oolite	Blue Wick & Glaize-
<i>incertum</i>	.. f. 5	..	Ibid. [dale.
<i>gibberulum</i>	.. f. 8	..	Ibid.
<i>striatum</i>	Min. Con. t. 553	Coal of Oolite	Brora, & Ibid.
<i>cognatum</i>	Phillips, t. 9, f. 14	Great Oolite	Cloughton Wyke.
<i>semiglabrum</i>	.. f. 15	..	Ibid.
<i>citrinoideum</i>	.. t. 7, f. 7	Cornbrash	Scarborough.
<i>lobatum</i>	.. t. 4, f. 3	Coral Rag	Malton, Yorkshire.
<i>dissimile</i>	Min. Con. t. 553	Portland Oolite	Is. Portland; Brora.
<i>Hillanum</i>	.. t. 14	L. or U. Gn. Sand?	Blackdown.
<i>proboscideum</i>	.. t. 156	..	Ibid.; nr. Collumpton
<i>umbonatum</i>	.. ..	..	Blackdown.
<i>decussatum</i>	Geol. Suss. t. 25, f. 3	Chalk Marl	Hamsey, Sussex.
<i>granulosum?</i>	M. S. Geol. Norf.	Chalk	Norwich.
<i>Plumstedienae</i>	Min. Con. t. 14	Plastic Clay	Plumstead, Kent.
<i>nitens</i>	.. ..	London Clay	Highgate, Middles.
<i>semigranulatum</i>	.. t. 144	..	Barton Cliff, Hants.
<i>turgidum</i>	.. t. 346	..	Ibid.
<i>porulosum</i>	.. ..	..	Ibid. & Hordwell Cl.
<i>edule</i>	Brander, f. 98	..	Ibid.
<i>Parkinsoni</i>	Min. Con. t. 49	Crag	Harwich. [ton.
<i>angustatum</i>	.. t. 283	..	Alderton; Bram-
<i>edulinum</i>	.. ..	..	Ipswich; Bramerton
<i>Cardita striata</i>	.. t. 89	Inferior Oolite	Swanwick, Somerset
<i>abrupta</i>	.. ..	..	Ibid.
<i>lunulata</i>	.. t. 232	..	Dundry, Somerset.
<i>similis</i>	.. ..	..	Ibid.; Blue Wick.
<i>tuberculata</i>	.. t. 143	Up. Green Sand	Devizes; Lyme.
<i>margaritacea</i>	.. t. 297	London Clay	Brentfd.; Alum Bay.
<i>Hiatella sulcata</i>	Fleming, p. 462	Mt. Limestone	Forth Coalfd., N. B.
<i>Isocardia oblonga</i>	Min. Con. t. 491	..	Black Rock, Dublin.
<i>rostrata</i>	.. t. 295	Inferior Oolite	Cotswold Hills; Bl. Wick.
<i>concentrica</i>	.. t. 491	..	Bl. Wick & Yorksh. Coast.
<i>nitida?</i>	Phillips, t. 9, f. 10	Great Oolite	Cloughton Wyke.
<i>minima</i>	Min. Con. t. 295	Cornbrash	Scarboro', & Wilts.
<i>tener</i>	.. ..	Kelloway's Rock	Kelloway's Br. Wilts.
<i>tumida</i>	Phillips, t. 4, f. 25	Calcareous Grit	Gristhorpe, Yorks.
<i>rhomboidalis</i>	.. t. 3, f. 28	Coral Rag	Malton, ditto.
<i>angulata</i>	.. t. 2, f. 20	Gault	Speeton, ditto.
<i>similis</i>	Min. Con. t. 516	Up. Green Sand	Margate, Kent.
<i>sulcata</i>	.. t. 295	London Clay	Islington, Middlesex
<i>Cor?</i>	.. t. 516	Crag	Shottisham, &c. Suff.
<i>Arcacea</i>			
<i>Cucullaea sulcata</i>	G. T. 2 ser. iii. p. 119	Mag. Limestone	Hambleton, Durham
<i>oblonga</i>	Min. Con. t. 206	Inferior Oolite	Dundry, Somerset.
<i>elongata</i>	.. t. 447	..	Cross Hands, Glost.
<i>reticulata</i>	Phillips, t. 11, f. 18	..	Blue Wick, Yorks.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Cucullæa cancellata</i>	Phillips, t. 11, f. 44	Inferior Oolite	Blue Wick, Yorksh.
<i>imperialis</i>	.. t. 9, f. 19	Great Oolite	Cloughton Wyke.
<i>cylindrica</i>	.. f. 20	..	White Nab, Yorksh.
<i>minuta</i>	Min. Con. t. 447	..	Ancliff, Wiltshire.
<i>rudis</i>	.. ..	..	Ibid.
<i>concinna</i>	Phillips, t. 5, f. 9	Oxford Clay	Scarborough.
<i>contracta</i>	.. t. 3, f. 30	Coral Rag	Malton, Yorkshire.
<i>triangularis</i>	.. f. 31	..	Ibid.
<i>pectinata</i>	.. f. 32	..	Ibid.
<i>decussata</i>	Min. Con. t. 206	Low. Green Sand	Parham, Feversham
<i>glabra</i>	.. t. 67	L. or U. Gn. Sand?	Blackdown; Lyme.
<i>carinata</i>	.. t. 207	..	Ibid.
<i>fibrosa</i>	.. ..	..	Blackdown.
<i>costellata</i>	.. t. 447	..	Ibid.; Lyme; Collampton
— ?	Phillips, t. 2, f. 16	Gault	Speeton, Yorkshire.
<i>Arca rostrata</i>	Mart. Derb. t. 44	Mt. Limestone	Bakewell, Derbysh.
<i>cancellata</i>	Min. Con. t. 473	..	Derbyshire.
<i>tumida</i>	.. t. 474	Mag. Limestone	Tunstall Hill, Dur.
<i>pulchra</i>	.. t. 473	Great Oolite	Ancliff, Wiltshire.
<i>quadrisulcata</i>	.. ..	Coral Rag	Malton, Yorkshire.
<i>æmula</i>	Phillips, t. 3, f. 29	..	Ibid.
<i>carinata</i>	Min. Con. t. 44	Up. Green Sand	Devizes; Lyme; Nursted
<i>subacuta</i>	.. ..	Chalk Marl	Hamsey, Sussex.
<i>depressa</i>	.. t. 474	Plastic Clay	Woolwich, Kent.
<i>duplicata</i>	.. ..	London Clay	Hordwell Cliff.
<i>Branderi</i>	.. t. 276	..	Barton Cliff.
<i>appendiculata</i>	.. ..	..	Ibid.
<i>Pectunculus minimus</i>	.. t. 472	Great Oolite	Ancliff, Wiltshire.
<i>oblongus</i>	.. ..	..	Ibid.
<i>sublævis</i>	.. ..	L. or U. Gn. Sand?	Blackdown.
<i>umbonatus</i>	.. ..	..	Haldon Hill; Ibid.
<i>Plumstediensis</i>	.. t. 27	Plastic Clay	Plumstead, Kent.
<i>decussatus</i>	.. ..	London Clay	Highgate, Middles.
<i>costatus</i>	.. ..	..	Hordwell Cliff.
<i>scalaris</i>	.. t. 472	..	Ibid.
<i>brevirostris</i>	.. ..	..	Bognor, Sussex.
<i>pulvinatus</i>	G. T. 2 ser. iii. p. 202	..	Bracklesham, ditto.
<i>variabilis</i>	Min. Con. t. 471	Crag	Sandlands, Suffolk.
<i>Nucula Palmæ</i>	.. t. 475	Mt. Limestone	Derbyshire.
<i>attenuata</i>	Fleming, p. 403	Coal Shale	Rutherglen, Lanark.
<i>gibbosa</i>	.. ..	..	Ibid.
<i>Ovum</i>	Min. Con. t. 476	Lias	Whitby.
<i>complanata</i>	Phillips, t. 12, f. 8	..	Ibid.
<i>axiniformis</i>	.. t. 11, f. 13	Inferior Oolite	Blue Wick, Yorksh.
<i>claviformis</i>	Min. Con. t. 476	Unknown	Northamp.; Norf. &
<i>variabilis</i>	.. t. 475	Great Oolite	Ancliff, Wilts. [Suff.
<i>Lachryma</i>	.. t. 476	..	Ibid.; Blue Wick.
<i>mucronata</i>	.. ..	..	Ibid.
<i>elliptica</i>	Phillips, t. 5, f. 6	Oxford Clay	Scarborough.
<i>nuda</i>	.. f. 5	..	Ibid.
<i>impressa</i>	Min. Con. t. 475	Low. Green Sand	Parham; Blackdown
<i>antiquata</i>	.. ..	..	Ibid.
<i>angulata</i>	.. t. 476	L. or U. Gn. Sand?	Blackdown.
<i>ovata</i>	Geol. Suss. t. 19, f. 26	Gault	Ringmer; Folkstone.
<i>subrecurva</i>	Phillips, t. 2, f. 11	..	Speeton, Yorkshire.
<i>pectinata</i>	Min. Con. t. 192	Chalk Marl	Dover; Ringmer, &c.
<i>undulata</i>	.. t. 554	..	Folkstone, Kent.
<i>similis</i>	.. t. 192	London Clay	Barton Cl.; Highgate

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Nucula trigona</i>	Min. Con. t. 192	London Clay	Barton Cliff, Hants.
<i>minima</i>	.. ..	..	Ibid.
<i>inflata</i>	.. t. 554	..	Highgate, Middles.
<i>amygdaloides</i>	.. ..	..	Southend, Essex.
<i>deltoides</i>	.. ..	Upper Marine	Isle of Wight.
<i>laevigata</i>	.. t. 192	Crag	Holywells, nr. Ipsw.
<i>Cobboldia</i>	.. t. 180	..	Ibid.; Bramerton.
<i>oblonga</i>	.. ..	..	Bawdsey; Postwick.
<i>Trigoniana</i>			
<i>Trigonia literata</i>	Phillips, t. 14, f. 11	Inferior Oolite	Brora; R. Hood's B.
<i>costata</i>	Min. Con. t. 85	..	Brora; Lt. Sodbury; Blue
<i>duplicata</i>	.. t. 237	..	Lt. Sodbury. [Wick.
<i>striata</i>	.. ..	..	Dundry; Blue Wick.
<i>angulata</i>	.. t. 508	..	Nunney; Blue Wick.
<i>imbricata</i>	.. t. 507	Great Oolite	Ancliff, Wiltshire.
<i>cuspidata</i>	.. ..	..	Ibid.
<i>Pullus</i>	.. t. 508	..	Ibid.
<i>conjungens?</i>	Phillips, p. 150	..	Bransby, Yorkshire.
<i>clavellata</i>	Townsend, t. 9	Cornbrash	Chatley; Radipole; Brora
<i>gibbosa</i> α	Min. Con. t. 235	Portland Oolite	Tisbury, Wiltshire.
β	.. t. 236	..	Ibid.
<i>elongata</i>	.. t. 431	..	Radipole, Dorset.
<i>spinosa</i>	.. t. 86	Low. Green Sand	Blackdn.; Pulboro; Lyme
<i>Dædalea</i>	.. t. 88	..	Parham; Haldon Hill, &c.
<i>aliformis</i>	.. t. 215	..	Parh. P.; Pulb.; Petersfd.
<i>eccentrica</i>	.. t. 208	L. or U. Gn. Sand?	Blackdn.; Pulboro; Lyme
<i>spectabilis</i>	.. t. 544	..	Blackdown.
<i>scabra</i>	G. T. 2 ser. iii. p. 114	..	Lyme Regis.
<i>affinis</i>	Min. Con. t. 208	..	Parham; Haldon H.,
<i>pennata</i>	.. t. 237	..	Teignmouth. [&c.
<i>nodosa</i>	.. t. 507	..	Hythe, Kent.
<i>Axinus obscurus</i>	.. t. 314	Mag. Limestone	Selby; Stubbs Hill.
<i>angulatus</i>	.. t. 315	London Clay	White Cond. House,
<i>Naiada</i>			
<i>Unio Urii</i>	Fleming, p. 417	Coal	Rutherglen, Lanark.
<i>subconstrictus</i>	Min. Con. t. 33	Coal Iron Stone	Woolaston, Notts.
<i>hybridus</i>	.. t. 154	Mag. Limestone	Nottinghamshire.
<i>crassissimus</i>	.. t. 153	Lias	Bath, & Wiltshire.
<i>abductus</i>	Phillips, t. 11, f. 42	..	Bilsdale, Blue Wick.
<i>crassiusculus</i>	Min. Con. t. 185	..	Pocklington, York.
<i>Listeri</i>	.. t. 154	Inferior Oolite	Durham; Whitby.
<i>concinus</i>	.. t. 223	..	Cropley, Oxon.
<i>uniformis</i>	.. t. 33	Great Oolite	Bath.
<i>acutus</i>	.. ..	..	Bradford, Yorksh. & Der-
<i>peregrinus</i>	Phillips, t. 7, f. 12	Cornbrash	Scarborough. [bysh.
<i>porrectus</i>	Min. Con. t. 594	Tilgate Beds	Tilgate Forest, Suss.
<i>compressus</i>	.. ..	..	Ibid. [tings.
<i>antiquus</i>	.. ..	..	West Hothly; Has-
<i>cordiformis</i>	.. t. 595	..	Tilgate Forest.
<i>aduncus</i>	.. ..	..	Linfield & Bolney.
<i>Solandri</i>	.. t. 517	Lower Freshwater	Hordwell Cliff.
<i>Chamacea</i>			
<i>Diceras? inequirostratus</i>	M. S. Geol. Norfolk	Chalk	Norwich.
<i>Chama digitata</i>	Min. Con. t. 174	Kellaway's Rock	nr. Sidmouth; Hunt-
<i>crassa</i>	Smith, f. 6	Clay Upper Oolite	Stoford. [cliffe.
<i>haleotoidea</i>	Min. Con. t. 25	L. or U. Gn. Sand?	Dinton; Donhead.
<i>canaliculata</i>	.. t. 26	..	Chute Farm, Wilt.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Mallacea</i>			
<i>Crenatula ventricosa</i>	Min. Con. t. 443	Lias	Bosworth; Hawsker.
<i>Listeri</i>	Org. Rem. iii. t. 15, f. 5	Great Oolite	Shotover Hill, Oxon.
<i>producta</i>	.. f. 6 & 7	Chalk Marl	Shefford, Bedfords.
<i>Gervillia lata</i>	Phillips, t. 11, f. 16	Inferior Oolite	Glaizedale, Bl. Wick
<i>quadrata</i>	Min. Con. t. 492	Cornbrash	Bulwick; White Nab
<i>aviculoides</i>	.. t. 511	Lower Green Sand	Parham; Petersfd.
<i>acuta</i>	.. t. 510	..	Parh.; Collyweston.
<i>solenoides</i>	.. ..	..	I. Wight; Parham.
<i>Avicula gryphæoides</i>	G. T. 2 ser. iii. p. 119	Mag. Limestone	Humbleton, Durh.
<i>cygnipes</i>	Phillips, t. 14, f. 3	Lias	Bilsdale; Wilton Cas.
<i>lanceolata</i>	Min. Con. t. 512	..	Lyme Regis.
<i>echinata</i> β	.. t. 243	..	
<i>inæquivalvis</i> β	.. t. 244	..	Lyme; Frethorne.
γ	.. ..	..	Dursley; Blue Wick.
<i>Braamburiensis</i>	Phillips, t. 6, f. 6	Calcareous Grit	Brora, Sutherland.
<i>ovata</i>	Min. Con. t. 512	Stonesfield Slate	Stonesfield, Oxon.
<i>costata</i> γ	.. t. 244	Cornbrash	Stony Stratford.
<i>echinata</i> α	.. t. 243	..	Chippenham; nr. Weym.
<i>inæquivalvis</i> α	.. t. 244	Kelloway's Rock	Kelloway's Br.; & Brora.
<i>expansa</i>	Phillips, t. 3, f. 35	Coral Rag	Malton, Yorkshire.
<i>ovalis</i>	.. f. 36	..	Ibid.
<i>elegantissima</i>	.. t. 4, f. 2	..	Ibid.
<i>tonsipluma</i>	.. p. 129	..	Ibid.
<i>costata</i> δ	Min. Con. t. 244	Upper Oolite	Bradford, Wilts; Winsley
<i>media</i>	.. t. 2	London Clay	Highgate, Middles.
<i>Inoceramus vetustus</i>	.. t. 584	Mt. Limestone	Castleton; Settle.
<i>dubius</i> α	.. ..	Lias Shale	Whitby.
β	Phillips, t. 12, f. 14	..	Ibid.
<i>gryphæoides</i>	Min. Con. t. 584	L. or U. Gn. Sand?	Lyme R.; Ringmer.
<i>sulcatus</i> β	.. t. 306	Gault	Folkstone; Ringmer.
<i>tenuis</i>	Geol. Suss. p. 132	Chalk Marl	Hamsey, Sussex.
<i>Crispii</i>	.. t. 27, f. 11	..	Ibid.
<i>concentricus</i>	Min. Con. t. 305	..	Folkstone; Lyme.
<i>sulcatus</i> α	.. t. 306	..	Cambridge.
<i>pictus</i>	.. t. 604	..	Guildford. [mingham.
<i>Cuvieri</i>	.. t. 441	Chalk	Royston; Lewes; Trim-
<i>Brongniarti</i>	.. ..	..	Hunmanby; Lewes.
<i>cranium</i>	Phillips, p. 119	..	Ibid.
<i>cordiformis</i>	Min. Con. t. 440	..	Gravesend; Lewes.
<i>mytiloides</i>	.. t. 442	..	Norwich; Lewes, & Wilts
<i>striatus</i>	.. t. 582	..	Heytesbury; Lewes.
<i>Lamarckii</i>	Geol. Suss. t. 27, f. 1	..	Lewes; Dover.
<i>undulatus</i>	.. f. 6	..	Lewes; Heytesbury.
<i>Websteri</i>	.. f. 2	..	Lewes & South-St.
<i>latus</i>	.. f. 10	..	Brighton & Norfolk.
<i>involutus</i>	Min. Con. t. 583	..	Lewes; W. Lexham, Norf.
<i>digitatus</i>	.. t. 604	..	Debden, Essex.
<i>Pectenida</i>			
<i>Dianchora striata</i>	Min. Con. t. 80	L. or U. Gn. Sand?	Chute Farm, Wilts.
<i>lata</i>	.. ..	Chalk	Lewes.
<i>obliqua</i>	Geol. Suss. t. 25, f. 1	..	Ibid. & Brighton.
<i>Lima antiquata</i>	Min. Con. t. 214	Lias	Frethorne, Glosters.
<i>gibbosa</i>	.. t. 152	Inferior Oolite	Cotswold Hills; Taunton.
<i>proboscidea</i>	.. t. 264	..	Weymth.; Glaizedale
<i>rudis</i>	.. t. 214	Coral Rag	Calne; Braamb. Hill.
<i>Plagiostoma giganteum</i>	.. t. 77	Lias	Lyme; Pocklington.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Plagiostoma punctatum</i>	Min. Con. t. 113	Lias	Pickeridge Hill; Barry I.
<i>pectenoides</i>	.. t. 114	..	Pickeridge H. Devon
<i>concentricum</i>	.. t. 559	..	Ross & Cromarty.
<i>interstinctum</i>	Phillips, t. 7, f. 14	Great Oolite	Whitwell, Yorksh.
<i>ovale</i>	Min. Con. t. 114	..	Sm. Cossall, nr. Bath
<i>rigidulum</i>	Phillips, t. 7, f. 13	Cornbrash	Scarborough.
<i>obscurum</i>	Min. Con. t. 114	Kelloway's Rock	Kelloway's Bridge.
<i>cardiiforme</i>	.. t. 113	..	P. France, Glost.; Norw.
<i>obliquatum</i>	G. T. 2 ser. ii. p. 319	Calcareous Grit	Braamb. Hill, Brora.
<i>læviusculum</i>	Min. Con. t. 382	Coral Rag	Malton, Yorkshire.
<i>duplicatum</i>	.. t. 559	..	Ibid.; Dunrobin.
<i>rigidum</i>	.. t. 114	..	Shotover Hill, Oxon.
<i>rusticum</i>	.. t. 381	..	Ibid.
<i>Mantelli</i>	G. T. 2 ser. ii. p. 112	Upper Green Sand	Lyme Regis.
<i>elongatum</i>	Min. Con. t. 559	..	Folkstone; Hamsey.
<i>asperum</i>	Geol. Suss. t. 26, f. 18	Chalk Marl	Hamsey, Sussex.
<i>Brightoniense</i>	.. t. 25, f. 15	Chalk	Brighton.
<i>Hoperi</i>	Min. Con. t. 380	..	Lewes; Norwich.
<i>spinosum</i>	.. t. 78	..	Ibid.
<i>muricatum</i>	.. ..	..	Swaffham, Norfolk.
<i>Sphæra corrugata</i>	.. t. 334	Lower Green Sand	Sanddown, Hants.
<i>Pecten plicatus</i>	.. t. 574	Mt. Limestone	Black Rock, Queen's
<i>granosus</i>	.. ..	..	Ibid. [County.
<i>dissimilis</i>	Fleming, p. 387	..	Scotland.
<i>papyraceus</i>	Min. Con. t. 354	Coal	N. Owram, Yorksh.
<i>sublævis</i>	Phillips, t. 14, f. 5	Lias	Bilsdale, ditto.
<i>cygnipes</i>	G. T. 2 ser. ii. p. 322	..	Hebrides; Whitby.
<i>æquivalvis</i>	Min. Con. t. 136	Inferior Oolite	Ilminster, Cherington, &c.
<i>virguliferus</i>	Phillips, t. 11, f. 20	..	Blue Wick, Yorksh.
<i>rigidus</i>	Min. Con. t. 205	Forest Marble	Castle Comb, Wilts.
<i>Lens</i>	.. ..	..	Oxon; Bilsdale; Brora.
<i>obscurus</i>	.. ..	Stonesfield Slate	Stonesfield, Oxon.
<i>fibrosus</i>	.. t. 136	Cornbrash	Chatley; N. Leach; Brora
<i>laminatus</i>	.. t. 205	..	Chatley, Somerset.
<i>annulatus</i>	.. t. 545	..	Felmersham, Bedf.
<i>similis</i>	.. t. 205	Coral Rag	Shotover Hill, Oxon.
<i>barbatus</i>	.. t. 231	..	Dundry, Somerset.
<i>cinctus</i>	.. t. 371	..	Horncastle, Lincoln.
<i>abjectus</i>	Phillips, t. 9, f. 37	..	Malton & Glaizedale
<i>inæquicostatus</i>	.. t. 4, f. 10	..	Ibid.
<i>cancellatus</i>	.. p. 129	..	Ibid.
<i>demissus</i>	.. t. 6, f. 5	..	Ibid.
<i>vimineus</i>	Min. Con. t. 543	..	Malton; Brora.
<i>vagans</i>	.. ..	..	Ibid.; Ancliff.
<i>arcuatus β</i>	.. t. 205	..	Calne, Wiltshire.
<i>lamellosus</i>	.. t. 239	..	Chicks Grove, Thame.
<i>quadrucostatus</i>	.. t. 56	Lower Green Sand	Parh.; Chute F.; Haldon H.
<i>obliquus</i>	.. t. 370	..	Parham; Warminst.
<i>arcuatus α</i>	.. t. 205	L. or U. Gn. Sand?	Devizes.
<i>asper</i>	.. t. 370	..	Horningsham; Lyme
<i>triplicatus</i>	Geol. Suss. t. 25, f. 9	Gault	Hamsey, Sussex.
<i>quinquecostatus</i>	Min. Con. t. 56	Upper Green Sand	Chute Farm; Lyme.
<i>orbicularis</i>	.. t. 186	..	Deviz.; Nursted; Petersfd.
<i>Beaveri</i>	.. t. 158	Chalk	Childrey; Norwich.
<i>nitidus</i>	.. t. 394	..	Brighton; Norwich.
<i>sexcostatus</i>	M. S. Geol. Norfolk	..	Norwich.
<i>radiatus</i>	.. ..	..	Ibid.
<i>concentricus</i>	.. ..	..	Ibid.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Pecten corneus</i>	Min. Con. t. 204	London Clay	Stubbington, Hants.
<i>carinatus</i>	.. t. 575	..	Barton Cliff, &c.
<i>duplicatus</i>	.. ..	..	Hyde Park.
<i>complanatus</i>	.. t. 586	Crag	Aldborough, Suff.
<i>sulcatus</i>	.. t. 393	..	Ibid.; Thorpe, Norf.
<i>gracilis</i>	.. ..	..	Holywells, nr. Ipsw.
<i>striatus</i>	.. t. 394	..	Ibid., Woodbridge.
<i>obsoletus</i> α	.. t. 541	..	Sutton, Suffolk.
— β	.. ..	..	Ibid.
— γ	.. ..	..	Ibid.
<i>Princeps</i>	.. t. 542	..	Ramsholt, Suffolk.
<i>grandis</i>	.. t. 585	..	Ibid. & Newbourn.
<i>reconditus</i>	.. t. 575	..	Thorpe; Stubbington
<i>dentatus</i>	.. t. 574	Unknown	Bugbrooke, Nthamp.
<i>Plicatula spinosa</i>	.. t. 245	Lias	R. Hood's Bay; Hebrides.
<i>pectenoides</i>	.. t. 409	Gault	Cambridge; Hamsey
<i>inflata</i>	.. ..	Chalk Marl	Ibid.
<i>Podopsis truncata</i>	G. T. 2 ser. ii. p. 112	L. or U. Gn. Sand?	Lyme Regis.
<i>Ostracea</i>			
<i>Gryphæa incurva</i>	Org. Rem. iii. t. 15, f. 3	Lias	[lington.
<i>depressa</i>	Phillips, t. 14, f. 7	..	Lyme; Bath; Pock-
<i>obliquata</i>	Min. Con. t. 112	..	Bilsdale, Yorkshire.
<i>Maccullochii</i>	.. t. 547	..	Lyme; Hebrides.
<i>gigantea</i>	.. t. 391	Inferior Oolite	Braunston; & Ibid.
<i>dilatata</i>	.. t. 149	..	Ilminster; Hebrides
<i>minuta</i>	.. t. 547	Great Oolite	Braambury H. Suth.
<i>Columba</i> β	.. t. 383	Ancliff, Wiltshire.	Northamptonshire.
<i>chamæformis</i>	Phillips, p. 135	Fuller's Earth	Hackness, Yorksh.
<i>bullata</i>	Min. Con. t. 368	Calcareous Grit	Horncastle; Brora.
<i>nana</i>	.. t. 383	Coral Rag	Shotover H.; Braamb. H.
<i>sinuata</i>	.. t. 336	..	Speeton; Ashford.
<i>vesiculosa</i>	.. t. 369	Lower Green Sand	Warminster; Hamsey
<i>Columba</i> α	.. t. 383	Upper Green Sand	Lyme & Northamp.
<i>globosa</i>	.. t. 392	..	Norwich; Lewes.
<i>Exogyra conica</i>	.. t. 605	Chalk	Folkstone; Parham.
<i>undata</i>	.. ..	L. or U. Gn. Sand?	Blackdown.
<i>lævigata</i>	.. ..	..	Ireland.
<i>difformis</i>	.. ..	Chalk	Swaffham, Norfolk.
<i>Ostrea læviuscula</i>	.. t. 488	Lias	—
<i>Marshii</i>	.. t. 48	Inferior Oolite	Felmersham, Bedf.
<i>palmetta</i>	.. t. 111	..	Marston, nr. Oxford.
<i>acuminata</i>	.. t. 135	..	Bath.
<i>solitaria</i>	.. t. 468	..	Glaizedale, Bl. Wick
<i>Meadii</i>	.. t. 252	Great Oolite	Somersetshire.
<i>obscura</i>	.. t. 488	..	Ancliff, Wiltshire.
<i>costata</i>	.. ..	..	Ibid.
<i>sulcifera</i>	Phillips, t. 9, f. 35	..	Westow, Yorkshire.
<i>undosa</i>	.. t. 6, f. 4	Kelloway's Rock	Scarborough.
<i>archetypa</i>	.. f. 9	..	Ibid.
<i>inæqualis</i>	.. t. 5, f. 13	Oxford Clay	Ibid.
<i>gregaria</i>	Min. Con. t. 111	Coral Rag	Devizes, Wiltshire.
<i>Crista-galli</i>	Smith, f. 4	..	Shotover; Longleat.
<i>duriuscula</i>	Phillips, t. 4, f. 1	..	Malton, Yorkshire.
<i>deltoides</i>	Min. Con. t. 148	Kimmeridge Clay	Weymouth; Brora.
<i>expansa</i>	.. t. 238	Oolite	Tisbury.
<i>solitaria</i>	.. t. 468	..	Weymouth.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Ostrea macroptera</i>	Min. Con. t. 468	Iron Sand	Folkstone, Kent.
<i>carinata</i>	.. t. 365	Upper Green Sand	Chute F.; Southbn.; Lyme
<i>canaliculata</i>	.. t. 135	Chalk	Trimmingham; Lewes.
<i>semitiplana</i>	.. t. 489	..	Lewes; Norwich.
<i>alaformis</i>	M. S. Geol. Norfolk	..	Norwich.
<i>tricarinata</i>	.. ..	..	Ibid.
<i>digitata</i>	.. ..	..	Ibid.
<i>undulata</i>	Min. Con. t. 238	Plastic Clay	Farley, Wiltshire.
<i>tener</i>	.. t. 252	..	Charlton, Kent.
<i>Bellovacina</i>	.. t. 388	..	bet. Charl. & Wool-
<i>edulina</i>	.. ..	..	Ibid. [wich.
<i>pulchra</i>	.. t. 279	..	Bromley; Plaistow.
<i>gigantea</i>	.. t. 64	London Clay	Barton & Hordw. Cl.
<i>Flabellula</i>	.. t. 253	..	Ibid.
<i>dorsata</i>	.. t. 489	..	Hordwell Cliff.
<i>cymbula</i>	König. Icon. 90	..	Ibid.
<i>oblonga</i>	Brander, f. 83	..	Ibid.
<i>spectrum</i>	Leathes M. S.	Crag	Ramsholt, Suffolk.
<i>Hinnites Dubuissoni</i>	Min. Con. t. 601	..	Ibid.
<i>Anomia striata</i>	.. t. 425	L. or U. Gn. Sand?	Bognor, Sussex.
<i>lineata</i>	.. ..	London Clay	Barton Cliff, Hants.
<i>Rudista</i>			
<i>Crania Parisiensis</i>	Min. Con. t. 408	Chalk	Norwich; Brighton.
<i>striata</i>	.. ..	..	Swaffham, Norfolk.
<i>Brachiopoda</i>			
<i>Orbicula reflexa</i>	Min. Con. t. 506	Lias	Whitby.
<i>granulata</i>	.. ..	Great Oolite	Ancliff, Wiltshire.
<i>Humphriesiana</i>	.. ..	Oxford Clay	Shotover Hill, Oxon.
<i>radiata</i>	Phillips, t. 4, f. 12	Coral Rag	Malton, Yorkshire.
<i>Terebratulula acuminata</i> α	Min. Con. t. 324	Mt. Limestone	Buxton; Scalebar; Cork.
<i>lineata</i>	.. t. 335	..	Castleton, Derbysh.
<i>imbricata</i>	.. ..	..	Ibid.; Settle.
<i>Sacculus</i>	.. t. 446	..	Middleton, Matlock.
<i>crumena</i>	.. t. 83	..	Winsten; Lyme.
<i>Pugnus</i> α	.. t. 497	..	Croom, Derbyshire.
<i>affinis</i>	.. t. 324	..	Malvern H. & Dudley
<i>Wilsoni</i>	.. t. 118	..	Mordiford, Heref.
<i>platyloba</i>	.. t. 496	..	Clithero, Lancash.
<i>acuminata</i> β	.. t. 495	..	Ibid.
— γ	.. ..	..	Ibid. & Ireland.
<i>porrecta</i>	.. t. 576	..	Bradley & Torquay.
<i>lateralis</i>	.. t. 83	..	Black R. Cork; Dub-
<i>Mantia</i>	.. t. 277	..	Ireland. [lin.
<i>cordiformis</i>	.. t. 495	..	Ibid.
<i>reniformis</i>	.. t. 496	..	Dublin & Cork.
<i>Pugnus</i> β	.. t. 497	..	Ireland.
<i>hastata</i>	.. t. 446	..	Bristol; Cork.
<i>resupinata</i> β	.. t. 325	Coal	Dovedale, Derbysh.
<i>indentata</i>	.. t. 445	Mag. Limestone	Banbury, Oxon.
<i>ornithocephala</i>	.. t. 101	Lias	Lyme; Chatley.
<i>obovata</i>	.. ..	..	Chatley, Somerset.
<i>orbicularis</i>	.. t. 535	..	Weston, near Bath.
<i>lampas</i>	.. t. 101	..	Lyme Regis.
<i>serrata</i>	.. t. 503	..	Ibid.
<i>punctata</i>	.. t. 15	..	Hornton; Hebrides.
<i>acuta</i> β	.. t. 502	..	Cheltenham; Bilsdale.
<i>trilineata</i>	Phillips, t. 162	..	Whitby & Coldmoor.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Terebratula bidens</i>	Phillips, t. 13, f. 24	Lias	Wilton Castle & Staithe.
triplicata	.. f. 22	..	Ibid.
resupinata α	Min. Con. t. 150	Inferior Oolite	Ilminster; Wilton C.
acuta α	.. ..	..	Ibid.; Staunton Hill.
perovalis	.. t. 436	..	Dundry, Somerset.
Fimbria	.. t. 326	..	Charlton, & nr. Cheltenham.
plicatella	.. t. 503	..	Chideock, Dorset.
bullata	.. t. 435	..	Nunney, Somerset.
emarginata	.. ..	..	Ibid.
globata	.. t. 436	..	Ibid.
maxillata	.. ..	..	Ibid.
tetraedra	.. t. 83	Fuller's Earth	Aynho; Banbury; Hebr.
media	.. ..	..	Aynho; Bath; Dun-
concinna	.. ..	..	Aynho. [robin.
obsoleta	.. ..	..	Felmersham; Glaizedale.
digona	.. t. 96	Great Oolite	Bath; Bradford.
spinosa	Phillips, t. 9, f. 18	..	Ibid.
aspera	König. Icon. 219	..	Ibid.
coarctata	Min. Con. t. 312	..	Hinton & Hampton
reticulata	.. ..	..	Frome. [Down.
sphæroidalis	.. t. 435	..	Dundry, Somerset.
cornuta	.. t. 446	..	Ilminster, ditto.
triquetra	.. t. 445	..	Felmersham, Bedf.
Flabellula	.. t. 535	..	Ancliff, Wiltshire.
furcata	.. ..	..	Ibid.
hemispherica	.. t. 536	..	Ibid.
inconstans	.. t. 277	Oxford Clay	Oxford; Skye; Sutherland.
socialis	Phillips, t. 6, f. 8	Calcareous Grit	Scarborough.
ovoides	Min. Con. t. 100	..	Brora, Sutherland.
Sella	.. t. 437	Upper Oolite	Chart & Hythe, Kent
lata	.. t. 502	Lower Green Sand	Devizes; Parham.
depressa	.. ..	..	Farringdon, Berks.
pectita	.. t. 138	L. or U. Gn. Sand?	Horningsham, Wilts.
bucculenta	.. t. 438	..	Malton, Yorkshire.
dimidiata	.. t. 277	..	Haldon Hill, Devon.
nuciformis	.. t. 502	..	Farringdon, Berks.
oblonga	.. t. 535	..	Ibid.; Sandgate.
truncata	.. t. 537	..	Farringdon.
Gibbsii	.. ..	..	Folkstone.
obtusa	.. t. 437	Gault	Cambridgeshire.
lineolata	Phillips, t. 2, f. 27	..	Speeton, Yorkshire.
ovata	Min. Con. t. 15	Upper Green Sand	Chute F.; Parham.
intermedia	.. ..	..	Chute F.; Warminster.
biplicata	.. t. 90	..	Chute F.; Camb. &c.
Lyra	.. t. 138	..	Chute Farm, Wilts.
subglobosa, jun.	Phillips, p. 120	Red Chalk	Speeton, Yorkshire.
squamosa	Geol. Suss. p. 132	Chalk Marl	Hamsey, Sussex.
Pisum?	Min. Con. t. 536	..	Ibid.
striatula	.. ..	..	Ibid.; Norwich.
rostrata	.. t. 537	..	Hamsey.
Mantelliana	.. ..	..	Ibid.
obesa	.. t. 438	Chalk	Norton Bavant, Wilts
subundata	.. t. 15	..	Warminster; Lewes.
semiglobosa	.. ..	..	Warminster.
subrotunda	.. ..	..	Norwich; Hamsey; Lyme
carnea	.. ..	..	Norwich; Lewes.
elongata	.. t. 435	..	Ibid.
plicatilis	.. t. 118	..	Northfleet, & Ibid.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Terebratula octoplicata</i>	Min. Con. t. 118	Chalk	Lewes; Norwich.
<i>subplicata</i>	Geol. Suss. t. 26, f. 5	..	Ibid.; Offham.
<i>Gallina</i>	M. S. Geol. Norfolk	..	Norwich.
<i>Gervillii</i>	.. ..	..	Ibid.
<i>rigida</i>	Min. Con. t. 536	..	Trimmingham, Norf.
<i>obliqua</i>	.. t. 277	..	Ramsgate; Norwich.
<i>pentagonalis</i>	Phillips, t. 1, f. 17	..	Dane's Dike, Yorks.
<i>variabilis</i>	Min. Con. t. 576	Crag	Harwich, Essex.
<i>Lingula mytilloides</i>	.. t. 19	Mt. Limestone	Wolsingham, Durh.
— ?	Fleming, p. 368	Coal	Rutherglen, Lanark.
<i>Beanii</i>	Phillips, t. 11, f. 24	Inferior Oolite	Blue Wick, Yorksh.
<i>tenuis</i>	Min. Con. t. 19	London Clay	Bognor, Sussex.
<i>ovalis</i>	.. ..	Unknown	Suffolk.
<i>Producta depressa</i>	.. t. 459	Trans. Limestone	Dudley, Worcester.
<i>longispina</i>	.. t. 68	Mt. Limestone	Kilbride, Lanark.
<i>spinulosa</i>	.. ..	..	Linlithgow.
<i>Flemingii</i>	.. ..	..	Livingstone, Linlith.
<i>spinosa</i>	.. t. 69	..	Ibid.; Arran; Humbleton
<i>Scotica</i>	.. ..	..	Arran & Linlithgow.
<i>aculeata</i>	.. t. 68	..	Bakewell, Derbysh.
<i>gigantea</i>	.. t. 320	..	Ibid. & Yorkshire.
<i>scabriuscula</i>	.. t. 69	..	Mill Dale, Derby. & Arran.
<i>Martini</i> <i>α</i>	.. t. 317	..	Ashford & Arran.
<i>lobata</i> <i>α</i>	.. t. 318	..	Derbyshire.
<i>crassa</i>	Mart. Derb. t. 16	..	Buxton, Derbysh.
<i>striata</i>	.. t. 22	..	Croom, ditto.
<i>semireticulata</i>	.. t. 32	..	Derbyshire.
<i>antiquata</i>	Min. Con. t. 317	..	Ibid. & Stockton.
<i>sulcata</i>	.. t. 319	..	Derbyshire.
<i>personata</i>	.. t. 321	..	Ibid.
<i>punctata</i>	.. t. 323	..	Buxton & Cork.
<i>fimbriata</i>	.. t. 459	..	Derbyshire.
<i>plicatilis</i>	.. t. 459	..	Ibid.
<i>horrida</i>	.. t. 319	..	Humbleton; Arran.
<i>hemispherica</i>	.. t. 328 & 561	..	Mynydd-careg, Carmarth.
<i>comoides</i>	.. t. 329	..	Llangaveni, Angles.
<i>latissima</i>	.. t. 330	..	Puffin's Is. & Arran.
<i>Martini</i> <i>β</i>	.. t. 317	Coal	Barn River, Yorksh.
<i>concinna</i>	.. t. 318	..	Richmond & Derbys.
<i>lobata</i> <i>β</i>	.. ..	..	Clifton; Cumb. & Arran.
<i>costata</i>	.. t. 560	..	Glasgow.
<i>calva</i> <i>α</i>	.. ..	Mag. Limestone	Tanfd.; Humbleton.
— <i>β</i>	.. ..	..	E. Thickley & Ibid.
<i>humerosa</i>	.. t. 322	..	Bredon, Derbyshire.
<i>Magas pumila</i>	.. t. 119	Chalk	Trimmingham Cliff.
<i>magna</i>	M. S. Geol. Norfolk	..	Ibid. [Norf.]
<i>punctata</i>	.. ..	..	Norwich.
<i>Spirifer Martini</i>	Mart. Derb. t. 36	Mt. Limestone	Castleton & nr. Bris-
<i>cuspidatus</i> <i>α</i>	Min. Con. t. 120	..	Ibid. [tol.]
<i>trigonalis</i>	.. t. 265	..	Cavedale & Overton.
<i>triangularis</i>	Mart. Derb. t. 36	..	Buxton, Derbysh.
<i>resupinatus</i> <i>α</i>	.. t. 49	..	Dovedale, ditto.
<i>undulatus</i>	Min. Con. t. 562	..	Arran; E. Thickley.
<i>octoplicatus</i> ?	.. t. 325	..	Ibid.
<i>glaber</i>	.. t. 269	..	Chelmerton & Irel.
<i>striatus</i>	.. t. 270	..	Bakewell; Arran; Cork.
<i>ambiguus</i>	.. t. 376	..	Ibid.
<i>minimus</i>	.. t. 377	..	Ibid.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Spirifer obtusus</i>	Min. Con. t. 269	Mt. Limestone	Scalear, Yorkshire
<i>lineatus</i>	.. t. 493	..	Dudley, Worcester.
<i>cuspidatus</i> β	.. t. 461	..	Bristol. [Derbysh.
<i>oblatus</i>	.. t. 268	..	Axton Quarry, Flintsh. &
<i>pinguis</i>	.. t. 271	..	Black Rock, Ireland.
<i>attenuatus</i>	.. t. 493	..	Black Rock, Dublin.
<i>bisulcatus</i>	.. t. 494	..	Ibid.
<i>distans</i>	.. ..	..	Ibid.
<i>rotundatus</i>	.. t. 461	..	Torquay; Limerick.
<i>Urii</i>	Fleming, p. 376	..	Rutherglen, Lanark.
<i>exaratus</i>	.. ..	..	West Lothian.
<i>decurrans</i> β	G. T. 2 ser. iii. p. 164	Mag. Limestone	Torquay, Devon.
<i>multiplicatus</i>	.. p. 119	..	Humbleton, Tunstall Hill.
<i>minutus</i>	.. ..	..	Ibid.
<i>Walcottii</i>	Min. Con. t. 377	Lias	Bath; Hebrides.
<i>Pentamerus Knightii</i>	.. t. 28	Trans. Limestone	Downton, Wiltshire.
<i>lævis</i>	.. ..	Mt. Limestone	Bildwas, Salop.
<i>Aylesfordii</i>	.. t. 29	..	Colebrook D.; Croft [Ambery.]

MOLLUSCA GASTEROPODA

Phyllidiana

<i>Chiton octovalvis</i> ?	M. S. Nor. Crag	Crag	Thorpe, Norwich.
<i>Patella lævis</i>	Min. Con. t. 139	Lias	Whitby.
<i>rugosa</i>	.. ..	Inferior Oolite	Minchin-Hampton.
<i>latissima</i>	.. ..	Coal of Oolite	Bolingbroke, Linc.
<i>ancyloides</i>	.. t. 484	Great Oolite	Ancliff, Wiltshire.
<i>Nanus</i>	.. ..	..	Ibid.
<i>lata</i>	.. ..	Forest Marble	Stonesfield, Oxon.
<i>locris</i>	Geol. Eng. p. 129	L. or U. Gn. Sand?	Blackdown.
<i>striata</i>	Min. Con. t. 389	London Clay	Stubbington, Hants.
<i>æqualis</i>	.. t. 139	Crag	Holywells, nr. Ipsw.
<i>unguis</i>	.. ..	..	Ibid.
<i>ferruginea</i> , jun.	M. S. Nor. Crag	..	Bramerton, Norf.

Calyptraciana

<i>Emarginula tricarinata</i>	Min. Con. t. 519	Great Oolite	Ancliff, Wilts.
<i>scalaris</i>	.. ..	..	Ibid.
<i>crassa</i>	.. t. 33*	Crag	Ipswich.
<i>reticulata</i>	.. ..	..	Holywells, nr. ditto.
<i>Fissurella clathrata</i>	.. t. 519	Great Oolite	Ancliff.
<i>græca</i> ?	.. t. 483	Crag	Ipswich.
<i>Pileopsis vetusta</i>	.. t. 607	Mt. Limestone	Queen's Co. & Pres-
<i>tubifera</i>	.. ..	..	Ibid. [ton.]
<i>Pileolus plicatus</i>	.. t. 432	Great Oolite	Ancliff; Hinton.
<i>lævis</i>	.. ..	..	Ibid.
<i>Calyptrea trochiformis</i>	Geol. T. ii. p. 204	London Clay	Hordwell Cliff.
<i>Sinensis</i>	Org. Rem. iii. t. 5, f. 10	Crag	Harwich, Essex.
<i>Ancylus elegans</i>	Min. Con. t. 533	Fresh Water	Hordwell Cliff.
<i>Infundibulum echinulatum</i>	.. t. 97	Plastic Clay	Plumstead, Kent.
<i>obliquum</i>	.. ..	London Clay	Barton Cliff, Hants.
<i>tuberculatum</i>	.. ..	..	Ibid.
<i>spinulosum</i>	.. ..	..	Ibid.
<i>rectum</i>	.. ..	Crag	Holywells, nr. Ipsw.
<i>tenerum</i>	M. S. Nor. Crag	..	Postwick, Norfolk.

Bullaena

<i>Bulla elongata</i>	Phillips, t. 4, f. 7	Coral Rag	Scarborough.
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CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Bulla constricta</i>	Min. Con. t. 464	London Clay	Barton Cliff, Hants.
<i>elliptica</i>	.. ..	..	Ibid.
<i>attenuata</i>	.. ..	..	Hordwell Cliff.
<i>filosa</i>	.. ..	..	Ibid.
<i>acuminata</i>	.. ..	..	Ibid.
<i>convoluta</i>	.. ..	Crag	Sutton, &c. Suffolk.
<i>minuta</i>	M. S. Nor. Crag	..	Bramerton, Norf.
TRACHELIPODA			
<i>Colimacea</i>			
<i>Helix</i> ? <i>striata</i>	Min. Con. t. 171	Mt. Limestone	Derbyshire.
? <i>cirriformis</i>	.. ..	..	Ibid.
<i>carinata</i>	.. t. 10	..	Settle, Yorkshire.
<i>pusilla</i>	Mart. Derb. t. 52	Coal Iron Stone	Chesterfield, Derb.
<i>Gentii</i>	Min. Con. t. 145	U. or L. Gn. Sand?	Devizes.
<i>lævis</i>	Geol. Suss. t. 18, f. 19	Plastic Clay	Newhaven, Sussex.
<i>globosa</i>	Min. Con. t. 170	Lower Freshwater	Shalcombe, I. Wight.
<i>Helicina compressa</i>	.. t. 10	Lias	Leicestershire.
<i>expansa</i>	.. t. 273	..	Lyme Regis, Dorset.
<i>solarioides</i>	.. ..	..	Ibid.
<i>polita</i>	.. t. 285	Inferior Oolite	Cropley, Oxon.
<i>Bulimus ellipticus</i>	.. t. 337	Upper Freshwater	Shalcombe, I. Wight.
<i>costellatus</i>	.. t. 366	..	Ibid.
<i>Auricula Sedgewici</i>	Phillips, t. 11, f. 33	Inferior Oolite	Blue Wick, Yorksh.
<i>incrassata</i>	Min. Con. t. 163	L. or U. Gn. Sand?	Blackdown; Stoneham; &
<i>obsoleta</i>	Phillips, t. 2, f. 40	Gault	Speeton. [Lyme.
<i>turgida</i>	Min. Con. t. 163	London Clay	Highgate, Middles.
<i>simulata</i>	.. ..	..	Barton; Highgate.
<i>pyramidalis</i>	.. t. 379	Crag	Bramerton; Ipswich
<i>ventricosa</i>	.. t. 465	..	Ipswich.
<i>buccinea</i>	.. ..	..	Ramsholt, Suffolk.
<i>Lymnæana</i>			
<i>Planorbis equalis</i>	Min. Con. t. 140	Mt. Limestone	Kendal, Westmorel.
<i>radiatus</i>	.. ..	L. or U. Gn. Sand?	Haldon Hill, Devon.
<i>hemistomus</i>	.. ..	Plastic Clay	Plumstead, Kent.
<i>cylindricus</i>	.. ..	Lower Freshwater	Isle of Wight.
<i>obtus</i>	.. ..	..	Ibid.
<i>lens</i>	.. ..	..	Ibid.
<i>enomphalus</i>	.. ..	..	Ibid. & Bath.
<i>Lymnea fusiformis</i>	.. t. 169	..	Headon Hill, Isle of
<i>minima</i>	.. ..	..	Ibid. [Wight.
<i>maxima</i>	.. t. 528	..	Binstead, Is. Wight.
<i>longiscata</i>	.. t. 343	..	Headon Hill.
<i>pyramidalis</i>	.. t. 528	..	Ibid.
<i>columellaris</i>	.. ..	..	Hordwell Cliff.
<i>Rissoa lævis</i>	.. t. 609	Great Oolite	Ancliff, Wiltshire.
<i>acuta</i>	.. ..	..	Ibid.
<i>obliquata</i>	.. ..	..	Ibid.
<i>duplicata</i>	.. ..	..	Ibid.
<i>Melaniana</i>			
<i>Melania constricta</i>	Min. Con. t. 218	Mt. Limestone	Buxton & Tideswell.
<i>striata</i>	.. t. 47	Lias	Lymington, Hants.
<i>lineata</i>	.. t. 218	Inferior Oolite	Dundry; Blue Wick.
<i>vittata</i>	Phillips, t. 7, f. 15	Cornbrash	Scarborough.
<i>Heddingtonensis</i>	Min. Con. t. 39	Coral Rag	Heddington; Brora.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Melania attenuata</i>	An. Phil. 1824, p. 376	Weald Clay	Swanage Bay, Is. of
<i>tricarinata</i>	.. ..	..	Ibid. [Wight.
<i>sulcata</i>	Min. Con. t. 39	London Clay	Stubbington Cliff.
<i>costata</i>	.. t. 241	..	Hordwell Cliff.
<i>minima</i>	.. ..	..	Brackenhurst, Hants
<i>truncata</i>	.. ..	..	Ibid.
<i>costellata</i>	Brander, f. 27	..	Bracklesham, Suss.
<i>fasciata</i>	Min. Con. t. 241	Lower Freshwater	Isle of Wight.
<i>Melanopsis carinata</i>	.. t. 523	..	Newport, Is. Wight.
<i>brevis</i>	.. ..	..	Hordwell, &c. Hants
<i>fusiformis</i>	.. t. 332	Upper Marine	Is. Wight; Woolwich
<i>subulata</i>	.. ..	..	Ibid.
<i>Peristomiana</i>			
<i>Paludina carinifera</i>	Min. Con. t. 509	Purbeck Beds	Hollington, Sussex.
<i>elongata</i>	.. ..	Weald Clay	I. Wight; Cooksbr.
<i>vivipara</i>	.. t. 31	..	Farnham & Sussex.
<i>extensa</i>	.. ..	L. or U. Gn. Sand?	Blackdown.
<i>lenta</i>	.. ..	London Clay	Hordw. & Barton Cl.
<i>concinna</i>	.. ..	..	Barton Cliff, Hants.
<i>suboperta</i>	.. ..	Crag	Holywells, nr. Ipsw.
<i>Ampullaria nobilis</i>	.. t. 522	Mt. Limestone	Black Rock, Queen's
<i>helicoides</i>	.. ..	..	Ibid. [Co.
<i>canaliculata</i>	Geol. Suss. t. 19, f. 13	Gault	Ringmer; Bletchingley.
<i>Ambulacrum</i>	Min. Con. t. 372	London Clay	Hordw. & Stubbington Cl.
<i>acuta</i>	.. t. 284	..	Christchurch, Hants
<i>patula</i>	.. ..	..	Barton Cliff, ditto.
<i>sigaretina</i>	.. ..	..	Bognor, Sussex.
<i>Neritacea</i>			
<i>Neritina uniplicata</i>	Min. Con. t. 385	Plastic Clay	Charlton & Plumstead.
<i>concava</i> β	.. ..	..	Charlton & I. Wight.
<i>striata</i> α	.. ..	London Clay	Hordw. & Muddiford.
<i>Nerita striata</i>	Fleming, p. 319	Mt. Limestone	Corry, Arran.
<i>spirata</i>	Min. Con. t. 463	..	Bristol & Derbysh.
<i>laevigata</i>	.. t. 217	Inferior Oolite	Dundry & Sutherland.
<i>minuta</i>	.. t. 463	Great Oolite	Ancliff, Wiltshire.
<i>costata</i>	.. ..	..	Ibid.; Blue Wick.
<i>sinuosa</i>	.. t. 217	Portland Oolite	Chilmark, Wilts.
<i>globosa</i>	.. t. 424	London Clay	Barton Cliff, Hants.
<i>aperta</i>	.. ..	..	Colwell Bay, I. Wight
<i>Natica tumidula</i>	Phillips, t. 11, f. 25	Inferior Oolite	Bl. Wick & Somerset.
<i>adducta</i>	.. f. 35	..	Blue Wick.
<i>arguta</i>	Smith, f. 2	Coral Rag	Malton, Yorkshire.
<i>nodulata</i>	Phillips, p. 130	..	Ibid.
<i>cincta</i>	.. t. 4, f. 9	..	Ibid.
<i>canrena?</i>	Org. Rem. iii. t. 6, f. 2	Lower Green Sand	Parham; Blackdn.
<i>Hantoniensis</i>	Lin. Tr. vii. t. 11, f. 10	London Clay	Barton Cliff.
<i>similis</i>	Min. Con. t. 5	..	Bognor; Highgate.
<i>glaucinoïdes</i> α	.. ..	..	Ibid.
<i>striata</i>	.. t. 373	..	Barton Cliff.
<i>sigaretina</i>	.. t. 479	Unknown	Diluvium of Suffolk.
<i>depressa</i>	.. t. 5	Crag	Woodbridge, Suff.
<i>hemiclausula</i>	.. t. 479	..	Ibid.
<i>cirriformis</i>	.. ..	..	Holywells, nr. Ipsw.
<i>patula</i>	.. t. 373	..	Ibid.
<i>glaucinoïdes</i> β	.. t. 479	..	Postwick & Suffolk.
<i>Macrostomiana</i>			
<i>Sigareta canaliculatus</i>	Min. Con. t. 384	London Clay	Hordwell, Hants.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Plicacea</i>			
<i>Acteon glaber</i>	Phillips, t. 9, f. 31	Inferior Oolite	Blue Wick, Yorksh.
humeralis	.. t. 11, f. 34	..	Ibid.
cuspidatus	Min. Con. t. 455	Great Oolite	Ancliff, Wiltshire.
acutus	.. ..	..	Ibid.
retusus	Phillips, t. 4, f. 27	Calcareous Grit	Scarborough.
crenatus	Min. Con. t. 460	London Clay	Barton Cliff, Hants.
elongatus	.. ..	..	Ibid.
Noë	.. t. 374	Crag	Walton; Postwick.
striatus	.. t. 460	..	Walton, Essex.
<i>Scalariana</i>			
<i>Vermetus polygonalis</i>	Min. Con. t. 596	Lower Green Sand	Sandgate, Kent.
Bognoriensis	.. ..	L. or U. Gn. Sand?	Bognor; Sheppey.
<i>Vermicularia concinna</i>	.. ..	Inferior Oolite	Robin Hood's Bay.
nodus	Phillips, t. 9, f. 34	Great Oolite	Westow, Yorkshire.
compressa	.. t. 4, f. 17	Coral Rag	Scarboro & Bl. Wick.
tumida	Min. Con. t. 596	..	Scarborough.
ovata	.. t. 57	Upper Oolite	Shotover Hill, Oxon.
concava	.. ..	Lower Green Sand	Dilton; Pulborough.
umbonata	.. ..	Gault	Hamsey, Sussex.
Sowerbii	Phillips, t. 2, f. 29	..	Ibid.; Speeton.
<i>Scalaria acuta</i>	Min. Con. t. 16 & 577	London Clay	Barton Cliff & Alum
semicostata	.. ..	..	Ibid. [Bay.
interrupta	.. t. 577	..	Ibid.
undosa	.. ..	..	Ibid.
reticulata	.. ..	..	Ibid.
frondosa	.. ..	Crag	Sutton, Suffolk.
subulata	.. t. 390	..	Ramsholt, ditto.
foliacea	.. ..	..	Ibid.
minuta	.. ..	..	Ibid.
similis	.. t. 16	..	Bramerton; Holyw.
multicostata	M. S. Nor. Crag	..	Thorpe, nr. Norwich.
<i>Turbinacea</i>			
<i>Solarium calix</i>	Phillips, t. 11, f. 30	Inferior Oolite	Bl. Wick & Coldmoor
conioideum	Min. Con. t. 11	Portland Oolite	Isle of Portland.
tabulatum?	Phillips, t. 2, f. 36	Gault	Speeton, Yorkshire.
patulum	Min. Con. t. 11	London Clay	Highgate, Middles.
discoideum	.. ..	..	Barton Cliff, Hants.
canaliculatum	.. t. 524	..	Ibid.
plicatum	.. ..	..	Ibid. [shire.
<i>Cirrus acutus</i>	.. t. 141	Mt. Limestone	Tortworth & Derby-
rotundatus	.. t. 429	..	Settle, Yorkshire.
carinatus	.. ..	Lias?	near Cheltenham.
Leachii	.. t. 219	Inferior Oolite	Dundry, Somerset.
nodosus	.. ..	..	Yeovil & Dundry.
cingulatus	Phillips, t. 4, f. 28	Calcareous Grit	Scarborough.
Sowerbii	Geol. Suss. t. 18, f. 14	Gault	Hamsey, Sussex.
plicatus	Min. Con. t. 141	Chalk Marl	Folkst.; Norlington.
granulatus	Geol. Suss. p. 195	Chalk	Southerham, near Lewes.
depressus	Min. Con. t. 428	..	Bridgwick; Lewes; Norw.
perspectivus	.. ..	..	Lewes; Northfleet; War-
<i>Euomphalus funatus</i>	.. t. 450	Trans. Limestone	Dudley. [minster.
pentangulus	.. t. 45	Mt. Limestone	Dublin.
catillus	.. ..	..	Tideswell & Buxton.
nodosus	.. t. 46	..	Derbyshire.
discors	.. t. 52	..	Colebrook Dale.
rugosus	.. ..	..	Ibid.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Euomphalus angulosus</i>	Min. Con. t. 52	Mt. Limestone	Benthall Edge, Salop
<i>tuberculatus</i>	Fleming, p. 313	..	West Lothian.
<i>coronatus</i>	Min. Con. t. 450	Great Oolite	Ancliff, Wiltshire.
<i>Trochus Anglicus</i>	.. t. 142	Lias	Bath; R. Hood's Bay
<i>imbricatus</i>	.. t. 272	..	Lyme; Cheltenham.
<i>bisertus</i>	Phillips, t. 11, f. 27	Inferior Oolite	Blue Wick, Yorksh.
<i>pyramidatus</i>	.. f. 22	..	Ibid.
<i>concavus a</i>	Min. Con. t. 181	..	Lit. Sodbury, Glost.
<i>duplicatus</i>	.. ..	..	Ibid.
<i>dimidiatus</i>	.. ..	..	Ibid.
<i>punctatus</i>	.. t. 193	..	Dundry, Somerset.
<i>elongatus</i>	.. ..	..	Ibid.
<i>abbreviatus</i>	.. ..	..	Ibid.
<i>fasciatus</i>	.. t. 220	..	Ibid.
<i>sulcatus</i>	.. ..	..	Ibid.
<i>ornatus</i>	.. t. 221	..	Ibid.
<i>monilitectus</i>	Phillips, t. 9, f. 33	Great Oolite	Cloughton Wyke.
<i>guttatus</i>	.. t. 6, f. 14	Kelloway's Rock	Scarborough.
<i>bicarinatus</i>	Min. Con. t. 221	Calcareous Grit	Gristhorpe, Yorksh.
<i>granulatus</i>	.. t. 220	Coral Rag	Malton & Blue Wick.
<i>ornatilis</i>	Phillips, t. 4, f. 16	..	Scarborough.
<i>reticulatus</i>	Min. Con. t. 272	Portland Oolite	Garsington; Ringstead B.
<i>Rhodani</i>	G. T. 2 ser. iii. p. 210	Upper Green Sand	Southbourn; Lyme.
<i>linearis</i>	Geol. Suss. t. 18, f. 17	Chalk Marl	Middleham, Hamsey
<i>Gibbsii</i>	Min. Con. t. 278	..	Folkstone, Kent.
<i>agglutinans ?</i>	Geol. Suss. t. 18, f. 7	..	Hamsey, Sussex.
<i>Basteroti</i>	G. T. 2 ser. iii. p. 207	Chalk	Lewes.
<i>Gurgites</i>	G. T. 2 ser. ii. p. 112	..	Lyme Regis.
<i>Benettiae</i>	Min. Con. t. 98	London Clay	Barton Cliff, Hants.
<i>extensus</i>	.. t. 278	..	Ibid.
<i>monilifer</i>	.. t. 367	..	Hardwell Cliff.
<i>opercularis</i>	Brander, f. 3	..	Ibid.
<i>laevigatus</i>	Min. Con. t. 181	Crag	Holywells, nr. Ipsw.
<i>similis</i>	.. ..	..	Ibid.
<i>concavus β</i>	.. t. 272	..	Ramsholt, Suffolk.
<i>Turbo Tiara</i>	.. t. 551	Mt. Limestone	Preston, Lancashire
<i>undulatus</i>	Phillips, t. 13, f. 18	Lias	Rosebury, Yorksh.
<i>ornatus</i>	Min. Con. t. 240	Inferior Oolite	Dundry, Somerset.
<i>laevigatus</i>	Phillips, t. 11, f. 31	..	Blue Wick, Yorksh.
<i>unicarinatus</i>	.. p. 157	..	Ibid.
<i>obtusus</i>	Min. Con. t. 551	Great Oolite	Ancliff, Wiltshire.
<i>sulcostomus</i>	Phillips, t. 6, f. 10	Kelloway's Rock	Hackness, Yorksh.
<i>funiculatus</i>	.. t. 4, f. 11	Coral Rag	Malton, ditto.
<i>muricatus</i>	Min. Con. t. 240	..	Ibid.; Steeple Ashton
<i>carinatus</i>	.. ..	L. or U. Gn. Sand ?	..
<i>moniliferus</i>	.. t. 395	..	Blackdown.
<i>conicus</i>	.. t. 433	..	Ibid.
<i>rotundatus</i>	.. ..	..	Ibid.
<i>pulcherimus</i>	Phillips, t. 2, f. 35	Gault	Speeton, Yorkshire.
<i>reticulatus</i>	Brander, f. 27	London Clay	Barton Cliff, &c.
<i>sculptus</i>	Min. Con. t. 395	..	Barton, Hampshire.
<i>rudis</i>	.. t. 71	Crag	Bramerton; Aldboro, Suf.
<i>littoreus</i>	.. ..	..	Bramerton & Thorpe
<i>Phasianella cincta</i>	Phillips, t. 9, f. 29	Great Oolite	Cloughton Wyke.
<i>orbicularis</i>	Min. Con. t. 175	Freshwater	Shalcomb, Is. Wight.
<i>angulosa</i>	.. ..	..	Ibid.
<i>minuta</i>	.. ..	..	Ibid.
<i>Turritella constricta</i>	.. t. 218	Mt. Limestone	Derbyshire.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Turritella abbreviata</i>	Min. Con. t. 565	Mt. Limestone	Bradley & Torquay.
<i>cingenda</i>	.. t. 499	Inferior Oolite	R. Hood's Bay & Bl. Wick
<i>quadrivittata</i>	Phillips, t. 11, f. 23	..	Blue Wick, Yorksh.
<i>muricata</i>	Min. Con. t. 499	Coral Rag	Ibid. & R. Hood's Bay
<i>excavata</i>	.. t. 565	Portland Oolite	Chilmark, Wilts.
<i>granulata</i>	.. ..	Green Sand	Blackdown.
<i>costata</i>	.. ..	..	Ibid.
<i>conoidea</i>	.. t. 51	London Clay	Barton Cl.; Highgate
<i>elongata</i>	.. ..	..	Christchurch & Barton Cl.
<i>brevis</i>	.. ..	..	Barton Cliff.
<i>edita</i>	.. ..	..	Ibid.
<i>multisulcata</i>	G. T. 2 ser. iii. p. 202	..	Bracklesham, Suss.
<i>incrassata</i>	Min. Con. t. 51	Crag	Holywells, nr. Ipsw.
<i>punctata</i>	M. S. Nor. Crag	..	Bramerton, Norfolk.
<i>striata</i>	.. ..	..	Ibid.
<i>Terebra</i>	Min. Con. t. 565	Alluvial	East Winch, Norf.
<i>Canalifera</i>			
<i>Cerithium funatum</i>	Min. Con. t. 128	Plastic Clay	Newhaven; Barton.
<i>melanoides</i>	.. t. 147	..	Charlton; Newhaven
<i>funiculatum</i>	.. ..	..	Plumstead, Kent.
<i>intermedium</i>	.. ..	..	Charlton, ditto.
<i>dubium</i>	.. ..	London Clay	Stubbington Cliff,
<i>Cornucopiæ</i>	.. t. 188	..	Ibid. [Hants.
<i>giganteum</i>	.. ..	..	Ibid.
<i>pyramidale</i>	.. t. 127	..	Hordw. & Barton Cl.
<i>geminatum</i>	.. ..	..	Barton Cliff.
<i>Potamides rigidum</i>	.. t. 338	..	Ibid.
<i>acutum</i>	.. t. 341	Lower Freshwater	Isle of Wight.
<i>ventricosum</i>	.. ..	..	Ibid.
<i>concavum</i>	.. t. 339	Upper Marine	Barton Cl. & Headon Hill
<i>margaritaceum</i>	.. ..	..	Isle of Wight.
<i>plicatum</i>	.. t. 340	..	Ibid.
<i>duplex</i>	.. ..	..	Headon Hill.
<i>cinctum</i>	.. ..	..	Ibid.
<i>politum</i>	.. t. 339	..	Plumstead, Kent.
<i>Pleurotoma attenuata</i>	.. t. 146	London Clay	Stubbington Cliff.
<i>comma</i>	.. ..	..	Ibid.
<i>semicolon</i>	.. ..	..	Ibid.
<i>colon</i>	.. ..	..	Barton Cliff.
<i>exerta</i>	.. ..	..	Ibid.
<i>rostrata</i>	.. ..	..	Ibid.
<i>acuminata</i>	.. ..	..	Highgate, Middles.
<i>fusiformis</i>	.. t. 387	..	Ibid.
<i>lævigata</i>	.. ..	..	Ibid.; Muddiford.
<i>brevirostra</i>	.. ..	..	Muddiford, Hants.
<i>prisca</i>	.. t. 386	..	Hordwell Cliff, ditto.
<i>Cancellaria quadrata</i>	.. t. 360	..	Barton Cliff, ditto.
<i>læviuscula</i>	.. t. 361	..	Ibid.; Highgate.
<i>evulsa</i>	.. ..	..	Ibid.; Lyndhurst.
<i>Fusus deformis</i>	König. Icon. 16	..	Hampshire.
<i>longævus</i>	Min. Con. t. 63	..	Barton & Hordwell
<i>rugosus</i>	.. t. 274	..	Ibid. [Cliffs.
<i>acuminatus</i>	.. ..	..	Barton Cliff.
<i>asper</i>	.. ..	..	Ibid.
<i>bulbiformis</i> α	.. t. 291	..	Hordwell & Ibid.
β	.. ..	..	Ibid.
γ	.. ..	..	Ibid.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Fusus bulbiformis</i> δ	Min. Con. t. 291	London Clay	Hordwell & Barton
<i>ficulneus</i>	.. ..	..	Ibid. [Cliffs.]
<i>errans</i>	.. t. 400	..	Ibid.
<i>regularis</i>	.. t. 187 & 423	..	Ibid.
<i>Lima</i>	.. t. 423	..	Ibid.
<i>carinella</i>	.. t. 187	..	Ibid.
<i>conifer</i>	.. ..	..	Highgate, Middles.
<i>bifasciatus</i>	.. t. 228	..	Ibid.
<i>complanatus</i>	.. t. 423	..	Ibid.
<i>alveolatus</i>	.. t. 525	Crag	Bawdsey, Suffolk.
<i>cancellatus</i>	.. ..	..	Sutton, ditto.
<i>Pyrula nexilis</i>	.. t. 331	London Clay	Barton Cliff, Hants.
<i>Greenwoodii</i>	.. t. 498	..	Hampshire.
<i>bulbiformis</i>	Brander, f. 54	..	Bracklesham, Suss.
<i>lævigata</i>	G. T. 2 ser. iii. p. 203	..	Ibid.
<i>Murex Harpula</i>	Min. Con. t. 578	Mt. Limestone	Bradley & Torquay.
<i>Haccanensis</i>	Phillips, t. 4, f. 18	Coral Rag	Hackness, Yorksh.
<i>tuberosus</i> β	Min. Con. t. 578	..	Malton, ditto.
<i>quadratus</i>	.. t. 410	Green Sand	Blackdown.
<i>Calcar</i>	.. ..	..	Ibid.
<i>latus</i>	.. t. 35	Plastic Clay	Plumstead, Kent.
<i>gradatus</i>	.. t. 199	..	Ibid.
<i>Bartonensis</i>	.. t. 34	London Clay	Barton Cliff, Hants.
<i>fistulosus</i>	.. t. 189	..	Ibid.
<i>interruptus</i>	.. t. 304	..	Ibid.
<i>argutus</i>	.. t. 344	..	Ibid.
<i>tricarinatus</i>	.. t. 416	..	Ibid.
<i>bispinosus</i>	.. ..	..	Ibid.
<i>frondosus</i>	.. ..	..	Ibid.; Highgate.
<i>tubifer</i>	Org. Rem. iii. t. 5, f. 15	..	Barton Cliff.
<i>scopulorum</i>	Lin. Tr. vii. t. 11, f. 6	..	Ibid.
<i>porrectus</i>	.. f. 7	..	Ibid.
<i>nitidus</i>	.. f. 8	..	Ibid.
<i>asper</i>	.. f. 4	..	Ibid.
<i>punctatus</i>	.. f. 3	..	Ibid.
<i>cnoides</i>	Brander, f. 17	..	Hordwell & Ibid.
<i>effossus</i>	.. f. 28	..	Ibid.
<i>defossus</i>	Min. Con. t. 411	..	Ibid.
<i>Smithii</i> α	.. t. 578	..	Alum Bay, I. Wight.
— β	.. ..	..	Paddington, Midd.
<i>trilineatus</i>	.. t. 35	..	Brentford & High-
<i>curtus</i>	.. t. 199	..	Highgate [gate.]
<i>tuberosus</i> α	.. t. 229	..	Ibid.
<i>minax</i>	.. ..	..	Ibid.
<i>cristatus</i>	.. t. 230	..	Ibid.
<i>coronatus</i>	.. ..	..	Ibid. [Wight.]
<i>sexdentatus</i>	.. t. 411	Upper Marine	Colwell Bay, Isle of
<i>contrarius</i>	.. t. 23	Crag	Holywells, nr. Ipsw.
<i>striatus</i> α	.. t. 109	..	Ibid.
<i>rugosus</i> α	.. t. 34	..	Harwich; Ipswich.
— β	.. t. 199	..	Maldon & Harwich.
<i>costellifer</i>	.. ..	..	Ibid.
<i>echinatus</i>	.. ..	..	Ibid.
<i>Peruvianus</i>	.. t. 434	..	Woodbridge, Suff.
<i>tortuosus</i>	.. ..	..	Sutton, &c. Suffolk.
<i>alveolatus</i>	.. t. 411	..	Ibid.
<i>corneus</i>	.. t. 35	..	Walton; Aldborough
<i>striatus</i> β	.. t. 22	..	Holyw.; Bramerton.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Murex elongatus</i>	M. S. Nor. Crag	Crag	Bramerton.
pullus	.. ..	..	Ibid.
bulbiformis	.. ..	..	Thorpe, nr. Norwich
lapilliformis	.. ..	..	Ibid.
gibbosus	.. ..	..	Ibid.
angulatus	.. ..	..	Ibid.
<i>Alata</i>			
<i>Rostellaria composita</i>	Min. Con. t. 558	Inferior Oolite	[Wick. Brora; Weymouth; Blue
trifida	Phillips, t. 5, f. 14	Oxford Clay	Scarborough.
bispinosa	.. t. 6, f. 13	Calcareous Grit	Ibid.
calcarata	Min. Con. t. 349	Lower Green Sand	Parham; Blackdn.
Parkinsoni δ	Geol. Succ. t. 18, f. 1	..	Ibid. [ley.
carinata	.. t. 19, f. 10	Gault	Ringmer; Bletching-
Parkinsoni γ	Min. Con. t. 349	Chalk Marl	Folkstone; Hamsey.
— α	.. ..	Plastic Clay	Bray, Berkshire.
— β	.. ..	London Clay	Bognor; Reclver.
lucida	.. t. 91	..	Highgate, Middles.
rimosa	.. ..	..	Barton Cliff, Hants.
macroptera α	.. t. 298	..	Ibid.
— β	.. t. 299	..	Ibid.
Pes-Pelican	.. t. 558	..	Ramsholt, &c. Suff.
<i>Purpurifera</i>			
<i>Cassis striata</i>	Min. Con. t. 6	..	Highgate, Middles.
carinata	.. ..	..	Ibid.
bicatenata	.. t. 151	Crag	Bawdsey, Suffolk.
Harpa Trimmeri	Org. Rem. iii. p. 59	London Clay	Brentford, Middles.
<i>Dolium nodosum</i>	Min. Con. t. 426, 427	Chalk	Clayton, Sussex.
striatum	M. S. Geol. Norfolk	..	Norwich.
<i>Buccinum acutum</i>	Min. Con. t. 566	Mt. Limestone	Queen's Co. Ireland.
imbricatum	.. ..	..	Bradley & Torquay.
breve	.. ..	..	Ibid.
spinosum	.. ..	..	Ibid.
unilineatum	.. t. 486	Great Oolite	Ancliff, Wiltshire.
juncum	.. t. 375	London Clay	Barton; Highgate.
lavatum	.. t. 412	..	Barton Cliff.
desertum	.. t. 415	..	Ibid.
defossum	Lin. Tr. vii. t. 11, f. 2	..	Ibid.
ambiguum	Brander, f. 56 & 63	..	Ibid. & Hordwell.
canaliculatum	Min. Con. t. 415	..	Muddiford & Barton Cliff.
labiatum α	.. t. 412	..	Plumstead, Kent.
— β	.. ..	Upper Marine	Isle of Wight.
granulatum	.. t. 110	Crag	Ipswich.
rugosum	.. ..	..	Holywells, nr. ditto.
reticosum	.. ..	..	Ibid.
tetragonum	.. t. 414	..	Ipswich.
propinquum	.. t. 477	..	Ibid.
labiosum	.. ..	..	Ibid.
sulcatum β	.. ..	..	Sutton, &c. Suffolk.
incrassatum	.. t. 414	..	Ibid.
elongatum	.. t. 110	..	Walton-le-Soken.
elegans	.. t. 477	..	Ibid. &c. Suffolk.
Mitrula	.. t. 375	..	Ramsholt, ditto.
sulcatum α	.. ..	..	Ibid.
Dalei	.. t. 486	..	Harwich, Essex.
crispatum	.. t. 413	..	Bramerton & Suff.
tenerum	.. t. 486	..	Postwick; Ipswich.
<i>Terebra vetusta</i>	Phillips, t. 9, f. 27	Inferior Oolite	Bl. Wick, Clought. Wyke.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Terebra granulata</i> <i>melanoides</i>	Phillips, t. 7, f. 16 .. t. 4, f. 13	Cornbrash Coral Rag	Scarborough. Pickering, Yorksh.
<i>Columellaria</i>			
<i>Mitra scabra</i> <i>parva</i> <i>pumila</i>	Min. Con. t. 401 .. t. 430	London Clay	Barton Cliff, Hants. Ibid. Ibid.
<i>Voluta Luctator</i> <i>spinosa</i> <i>suspensa</i> <i>monstrosa</i> <i>costata</i> <i>Magorum</i> <i>Athleta</i> <i>depauperata</i> <i>Luctator, jun.</i> <i>ambigua</i> <i>nodosa</i> <i>Lima</i> <i>geminata</i> <i>perita</i> <i>Bicorona</i> <i>Lamberti</i>	.. t. 115 t. 290 .. t. 396 .. t. 397 t. 399 .. t. 398 .. Brander, f. 23 G. T. 2 ser. iii. p. 203 Min. Con. t. 129	.. .. .. .. .. .. .. .. .. .. .. .. .. .. .. Crag	Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Ibid. Lyndhurst, Hants. Hordw. & Barton Cl. Bracklesham, Suss. Bawdsey, Aldborough, &c.
<i>Volvaria acutiuscula</i>	.. t. 487	London Clay	Barton Cliff.
<i>Convoluta</i>			
<i>Bellerophon hiuleus</i> <i>costatus</i> <i>tenuifascia</i> <i>apertus</i> <i>Cornu-arietis</i> <i>Urii</i> <i>decussatus</i> <i>striatus</i>	Min. Con. t. 470 t. 469 .. Fleming, p. 338	Mt. Limestone Coal	Derbyshire. Ibid. Torquay; Scalebar. Settle; Louth, Ireld. Kendal, Westmorel. Rutherglen, N. B. Linlithgow.
<i>Ovula Leathsi</i>	Min. Con. t. 478	Crag	Ibid.
<i>Cypræa oviformis</i>	.. t. 4	London Clay	Walton, Suffolk.
<i>coccinelloides</i>	.. t. 378	Crag	Highgate, Middles.
<i>retusa</i>	.. ..	..	Sandlands, Suffolk.
<i>Avellana</i>	.. ..	..	Sutton, &c. ditto.
<i>Terebellum fusiforme</i>	.. t. 287	London Clay	Ibid.
<i>Seraphs convolutus</i>	.. t. 286	..	Hordw. & Barton Cl.
<i>Ancillaria canalifera</i>	G. T. 2 ser. iii. p. 203	..	Barton Cliff.
<i>aveniformis</i>	Min. Con. t. 99	..	Bracklesham, Suss.
<i>Turritella</i>	.. ..	..	Barton Cliff.
<i>subulata</i>	.. t. 333	..	Ibid.
<i>Oliva Branderi</i>	.. t. 288	..	Christchurch, Hants
<i>Salisburyana</i>	.. ..	..	Barton Cliff.
<i>Conus Dormitor</i>	.. t. 301	..	Ibid.
<i>concinus</i> α	.. t. 302	..	Ibid. & Muddiford.
β	.. ..	..	Ibid.; Highgate.
<i>scabriusculus</i> α	.. t. 303	..	Highgate, Middles.
β	.. ..	..	Barton Cliff.
<i>lineatus</i>	Brander, f. 22	..	Ibid.
CEPHALOPODA			
<i>Orthocerata</i>			
<i>Belemnites tubularis</i> <i>elongatus</i>	Phillips, t. 12, f. 20 G. T. 2 ser. ii. t. 7, f. 6	Lias ..	Saltwick, Yorksh. Ibid.; Charnmouth; Lyme.

CLASS, Family, Genus and Species.	Reference.	Strata.	Localities.
<i>Nautilus bilobatus</i>	Min. Con. t. 249	Old Red Sands.	Closeburn, Dumfr.
<i>pentagonus</i>	.. ..	..	Ibid.
<i>tuberculatus</i>	.. ..	..	Ibid.
<i>discus</i>	.. t. 13	..	Kendal, Westmorel.
<i>Woodwardii</i>	.. t. 571	Mt. Limestone	Winster, Derbysh.
<i>sulcatus</i>	.. ..	..	Castleton, ditto.
<i>ingens</i>	Mart. Derb. t. 41	..	Ashford, ditto.
<i>biangulatus</i>	Min. Con. t. 458	..	Bristol.
<i>cariniferus</i>	.. t. 482	..	Black Rock, Cork.
<i>excavatus a</i>	.. ..	..	Limerick, Ireland.
<i>marginatus</i>	Fleming, p. 231	..	Bathgate, N. B.
<i>quadratus</i>	.. ..	..	West Lothian.
<i>Luidii</i>	Mart. Derb. t. 35	Coal	Ashford, Derbysh.
<i>annularis</i>	Phillips, t. 12, f. 18	Lias	Whitby.
<i>astacoides</i>	.. f. 16	..	Ibid. [tol.
<i>truncatus</i>	Min. Con. t. 123	..	Keynsham, nr. Bris-
<i>intermedius</i>	.. t. 125	..	Lyne; Keynsham.
<i>striatus</i>	.. t. 182	..	Lyne Regis.
<i>lineatus</i>	.. t. 41	Inferior Oolite	Combdown; Bl. Wick
<i>obesus</i>	.. t. 124	..	Norton-under-Ham.
<i>sinuatus</i>	.. t. 194	..	Yeovil, Somerset.
<i>excavatus β</i>	.. t. 529	..	Dorsetshire.
<i>polygonalis</i>	.. t. 530	..	Ibid.
<i>hexagonus</i>	.. t. 529	Upper Oolite	Shotover; Abingdon
<i>undulatus</i>	.. t. 40	L. or U. Gn. Sand?	Nutfield, Surrey.
<i>simplex</i>	.. t. 122	..	Lyne; Boreham.
<i>radiatus</i>	.. t. 356	..	Molton, Devon.
<i>expansus</i>	.. t. 458	Chalk Marl	Hamsey, Middleham
<i>elegans</i>	.. t. 116	..	Ringmer; Hamsey; Lyne
<i>Comptoni</i>	.. t. 121	..	Earl Stoke, Wilts.
<i>inæqualis</i>	.. t. 40	..	Folkstone; Ringmer.
<i>imperialis</i>	.. t. 1	London Clay	Brentfd. & Highgate
<i>centralis</i>	.. ..	..	Ibid.; Richmond.
<i>ziczac</i>	.. ..	..	Highgate.
<i>regalis</i>	.. t. 355	..	Hyde Park.
<i>Ammoneata</i>			
<i>Ammonites striatus</i>	Min. Con. t. 53	Mt. Limestone	Buxton & Castleton.
<i>sphericus</i>	.. ..	..	Mill Dale, Derbysh.
<i>Listeri</i>	.. t. 501	..	Middleton, & nr. Sheffield
<i>Henslowi</i>	.. t. 262	..	Scarlet, Isle of Man.
<i>discus</i>	.. t. 12	Lias	Lyne; Bedford.
<i>ellipticus</i>	.. t. 92	..	Lyne; Charmouth.
<i>stellaris</i>	.. t. 93	..	Lyne.
<i>planacosta</i>	.. t. 73	..	Ibid.; Evershot, Som.
<i>fimbriatus</i>	.. t. 164	..	Lyne.
<i>obtusus</i>	.. t. 167	..	Ibid.; Redcar.
<i>Loscombi</i>	.. t. 183	..	Lyne.
<i>Brooki</i>	.. t. 190	..	Ibid.
<i>Königi β</i>	.. t. 263	..	Ibid.; Cromarty.
<i>Henlii</i>	.. t. 172	..	Lyne; Whitby.
<i>heterophylla</i>	.. t. 266	..	Whitby & Boulby.
<i>Birchii</i>	.. t. 267	..	Lyne.
<i>Bechii</i>	.. t. 280	..	Ibid.
<i>Davæi</i>	.. t. 350	..	Ibid.
<i>lævigatus</i>	.. t. 570	..	Ibid.
<i>latacosta</i>	.. t. 556	..	Ibid.
<i>Bucklandi</i>	.. t. 130	..	Ibid.; Bath; Redcar

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
Ammonites Conybeari	Min. Con. t. 131	Lias	Somerset; Hebrides
Greenovii	.. t. 132	..	Lyme; Bath.
Parkinsoni β	.. t. 307	..	Bath.
biplex	.. t. 293	..	Sutors of Cromarty.
Turneri	.. t. 452	..	Watchet; R. Hood's
Planorbis	.. t. 448	..	Ibid. [Bay.
rotiformis	.. t. 453	..	Yeovil, Somerset.
Johnstoni	.. t. 449	..	Watchet, ditto.
multicostatus	.. t. 454	..	Bath.
lenticularis	Phillips, t. 6, f. 25	..	Staithe, Yorkshire.
Clevelandicus	.. t. 14, f. 6	..	Ibid.
vittatus	.. t. 13, f. 1	..	Ibid.
sigmifer	.. f. 4	..	Ibid.
crenularis	.. t. 12, f. 22	..	Whitby.
heterogenus	.. f. 19	..	Ibid.
crassus	.. f. 15	..	Ibid.
balteatus	.. f. 17	..	Ibid.
subcarinatus	.. t. 13, f. 3	..	Ibid.
arcigerens	.. f. 9	..	Ibid.
geometricus	.. t. 14, f. 9	..	Ibid.
Hawskerensis	.. t. 13, f. 8	..	Hawsker, Yorksh.
ovatus	.. f. 10	..	Ibid.
maculatus	.. f. 11	..	Ibid.
gagatus	.. p. 163	..	Ibid.
nitidus	.. ..	..	Ibid.
erugatus	.. t. 13, f. 13	..	Ibid.
Bucklandi, jun.	.. t. 14, f. 13	..	Robin Hood's Bay.
nitescens	.. p. 164	..	Ibid.
obliquatus	.. ..	..	Lyth, Yorkshire.
Mulgravius	.. ..	..	Ibid. & Saltwick.
exaratus	.. t. 13, f. 7	..	Boulby, &c. Yorks.
Lythensis	.. f. 6	..	Boulby & Lyth.
Boulbiensis	.. p. 164	..	Boulby.
impedens	.. ..	..	Ibid.
anguliferus	.. t. 13, f. 19	..	Bilsdale, Yorkshire.
Walcottii	Min. Con. t. 106	..	Whitby; Bath.
communis	.. t. 107	..	Whitby; Lyme; Skye
angulatus	.. ..	..	Whitby.
annulatus α	.. t. 222	..	Ibid.; Cropredy.
armatus	.. t. 95	..	Whitby; Lyme.
subarmatus	.. t. 407	..	Whitby.
fibulatus	.. ..	..	Ibid.
Taylori	.. t. 514	..	Hasboro Cliff, Norf.
Murchisonæ	.. t. 550	..	Is. Skye; Hebrides.
Jamesoni	.. t. 555	..	Mull; Scarborough Coast
brevispina	.. t. 556	..	Pabba; Scarbro' Co.
jugosus	.. t. 92	Inferior Oolite	Ilminster, Somerset.
elegans	.. t. 94	..	Ibid.; Yorksh. Coast
Brongniarti	.. t. 184*	..	Yeovil, Somerset.
Strangewaysi	.. t. 254	..	Ilminster.
falcifer	.. ..	..	Ibid.
Broccii	.. t. 202	..	Dundry.
Sowerbii α	.. t. 213	..	Ibid.
— β	.. ..	..	Ibid.
Brownii	.. t. 263	..	Ibid.
contractus	.. t. 500	..	Ibid.
læviusculus	.. t. 451	..	Ibid.
corrugatus	.. ..	..	Ibid.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Ammonites subradiatus</i>	Min. Con. t. 421	Inferior Oolite	Bath.
<i>Parkinsoni</i> α	.. t. 307	..	Yeovil, Somerset.
<i>Stokesi</i>	.. t. 191	..	Bridport, Dorset.
<i>Blagdeni</i>	.. t. 201	..	Sherborne, ditto.
<i>Humphresiana</i>	.. t. 500	..	Ibid.
<i>Banksii</i>	.. t. 200	..	Ibid.
<i>Herveyi</i>	.. t. 195	..	Bradford, Wilts; Scarbro'.
<i>Brackenridgii</i>	.. t. 184	..	Dundry, nr. Bristol.
<i>annulatus</i> β	.. t. 222	..	Cropredy, Oxon.
<i>striatulus</i>	.. t. 421	..	Blue Wick, Yorksh.
<i>Gowerianus</i>	.. t. 549	Coal of Oolite	Brora, Sutherland.
<i>sublævis</i>	.. t. 54	Kelloway's Rock	Malford, Wiltshire.
<i>Callovicensis</i>	.. t. 104	..	Kelloway's Br. ditto
<i>Königi</i> α	.. t. 263	..	Ross & Cromarty.
<i>Gulielmii</i>	.. t. 311	..	Kelloway's Bridge.
<i>gemmatus</i>	Phillips, t. 6, f. 17	..	Scarborough.
<i>funiferus</i>	.. f. 23	..	Ibid.
<i>bifrons</i>	.. f. 18	..	Hackness, Yorksh.
<i>flexicostatus</i>	.. f. 20	..	Ibid.
<i>oculatus</i>	.. t. 5, f. 16	Oxford Clay	Scarborough.
<i>Vernoni</i>	.. f. 19	..	Ibid.
<i>athleta</i>	.. t. 6, f. 19	..	Ibid.
<i>spinosus</i>	Min. Con. t. 540	..	Weymouth, Dorset.
<i>instabilis</i>	Phillips, p. 135	Calcareous Grit	Gristhorpe, Yorksh.
<i>solaris</i>	.. t. 4, f. 29	..	Scarborough.
<i>Sutherlandiæ</i>	Min. Con. t. 563	..	Brora, Sutherland.
<i>trifidus</i>	.. t. 292	Coral Rag	Shotover; Malton.
<i>perarmatus</i>	.. t. 352	..	Ibid. & Brora.
<i>vertibralis</i>	.. t. 165	..	Ibid.
<i>sublævis</i>	Phillips, t. 6, f. 22	..	Malton, Yorkshire.
<i>nodosus</i>	Min. Con. t. 92	..	Scarborough.
<i>Williamsoni</i>	Phillips, t. 4, f. 19	..	Ayton, Yorkshire.
<i>Duncani</i>	Min. Con. t. 157	Clunch Clay	St. Neot's, Hunts.
<i>rotundus</i>	.. t. 293	Kimmeridge Clay	Isle of Purbeck.
<i>triplicatus</i>	.. t. 92	Portland Oolite	Isle of Portland.
<i>Brodii</i>	.. t. 351	..	Ibid.
<i>omphaloides</i>	.. t. 242	..	Ibid.; Hebrides.
<i>Parkinsoni</i> γ	.. t. 307	..	Shotover Hill, Oxon.
<i>cordatus</i>	.. t. 17	..	Ibid.; Braambury H.
<i>excavatus</i>	.. t. 105	..	Shotover Hill.
<i>giganteus</i>	.. t. 126	..	Chicksgrove, Wilts.
<i>Lamberti</i>	.. t. 242	..	Weymouth.
<i>Leachii</i>	.. ..	..	Ibid.
<i>cristatus</i>	.. t. 421	..	Ibid.
<i>concavus</i>	.. t. 94	..	Dry Sandford, & Il-
<i>plicatilis</i>	.. t. 166	..	Ibid. [minster.
<i>Catena</i>	.. t. 420	..	Abingdon, Berks.
<i>Plicomphalus</i>	.. t. 359 & 404	..	Bolingbroke, Linc.
<i>mutabilis</i>	.. t. 405	..	Horncastle, ditto.
<i>Nutfieldiensis</i>	.. t. 108	Lower Green Sand	Nutfield, Surrey.
<i>Goodhalli</i>	.. t. 255	..	Blackdown; Lyme.
<i>varicosus</i>	.. t. 451	L. or U. Gn. Sand?	Blackdown.
<i>denarius</i>	.. t. 540	..	Ibid.
<i>Beudanti</i>	G. T. 2 ser. ii. p. 114	..	Lyme Regis.
<i>inflatus</i>	Min. Con. t. 178	..	Isle of Wight.
<i>monilis</i>	.. t. 117	..	Folkstone, Kent.
<i>biplicatus</i>	Geol. Suss. t. 22, f. 6	Gault	Ringmer, Sussex.
<i>marginatus</i>	Phillips, t. 2, f. 41	..	Speeton, Yorkshire.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Ammonites</i> nucleus	Phillips, t. 2, f. 43	Gault	Speeton, Yorkshire.
hystrix	.. .. f. 44	..	Ibid.
rotula	.. .. f. 45	..	Ibid.
parvus	Min. Con. t. 449	..	Ibid.; Tunbridge.
concinuus	Phillips, t. 2, f. 47	..	Speeton.
venustus	.. .. f. 48	..	Ibid.
fissicostatus	.. .. f. 49	..	Ibid.
curvinodus	.. .. f. 50	..	Ibid.
planus	.. .. f. 42	..	Ringmer; Folkstone
auritus	Min. Con. t. 134	UpperGreenSand	Devizes; Ringmer.
rostratus	.. .. t. 173	..	Southerham; Roak, Oxon.
varians	.. .. t. 176	..	Nursted; Lyme, &c.
Benettiae	.. .. t. 539	..	Warminster, Wilts.
Catillus	.. .. t. 564	..	Nursted; Southbn.
Mantelli	.. .. t. 55	Chalk Marl	Ringmer & Middle-
minutus	.. .. t. 53	..	Folkstone. [ham.
Rhotomagensis	.. .. t. 515	..	Hamsey; Lyme.
curvatus	.. .. t. 579	..	Ibid.
Selliquinus	.. .. t. 549	..	Crockerton, Wilts; Ring-
complanatus	.. .. t. 569	..	Hamsey. [mer.
planulatus	.. .. t. 570	..	Ibid. & Southbourn.
cinctus	.. .. t. 564	..	Middleham, Sussex.
Smithii	.. .. t. 406	..	Marston Magna.
splendens	.. .. t. 103	..	Folkst.; Norlington.
dentatus	.. .. t. 308	..	Cambridge; Ibid.
lautus	.. .. t. 309	..	Ibid.; Ringmer.
tuberculatus	.. .. t. 310	..	Ibid.
proboscideus	.. ..	..	Ibid.
logispinus	.. .. t. 501	..	Weymouth.
falcatus	.. .. t. 579	..	Middleham, Sussex.
peramplus	.. .. t. 357	Chalk	Lewes, Southdowns.
Lewesiensis	.. .. t. 358	..	Lewes; Hunstanton.
Woollgari	.. .. t. 587	..	Lewes.
undatus	.. .. t. 570	..	Ibid.
tetrammata	.. .. t. 587	..	Hamsey, Sussex.
catinus	Geol. Suss. t. 22, f. 10	..	Southerham, ditto.
Coupei	G. T. 2 ser. ii. p. 112	..	Lyme Regis.
constrictus	Min. Con. t. 184 A	..	Ibid.
rusticus	.. .. t. 177	..	Ibid.; Lewes; Hunstanton
navicularis	.. .. t. 555	..	Guildford; Offham.
Hippocastaneus	.. .. t. 514	..	Dowlands, Devon.
acutus	.. .. t. 17	London Clay	Minster Cliff; Heb-
decipiens	.. .. t. 294	..	Highgate. [rides.
quadratus	.. .. t. 17	Unknown	Diluvium of Suffolk.
serratus	.. .. t. 24	..	Ibid.
bina	.. .. t. 92	..	Ibid.; Bramerton.
Bakeriae	.. .. t. 570	..	Alluv. of Braunston, Nor-
<i>Turritiles</i> obliquus	.. .. t. 75	UpperGreenSand	Devizes. [thamp.
costatus	.. .. t. 36	Chalk Marl	Hamsey; Norwich.
undulatus	.. .. t. 75	..	Hamsey.
tuberculatus	.. .. t. 74	..	Ringm., Middleham.
Bergeri	G. T. 2 ser. ii. p. 112	Chalk	Lyme Regis.
<i>Hamites</i> Gigas	Min. Con. t. 593	Limestone	Sandgate, Kent.
grandis	.. ..	LowerGreenSand	Smeeth, Kent.
Parkinsoni	Org. Rem. iii. t. 10, f. 5	L. or U. Gn. Sand?	Wiltshire.
spinulosus	Min. Con. t. 216	..	Blackdown.
raricostatus	Phillips, t. 1, f. 23	Gault	Speeton, Yorkshiré.
alternatus	.. .. f. 26	..	Ibid.; Ringmer.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
Hamites Beanii	Phillips, t. 1, f. 28	Gault	Speeton, Yorkshire.
Phillipsii	.. f. 30	..	Ibid.
compressus	Min. Con. t. 61	Chalk Marl	Folkstone; Ringmer
tenuis	.. ..	..	Ibid.
rotundus	.. ..	..	Ibid.
attenuatus	.. ..	..	Ibid. &c.
maximus	.. t. 62	..	Ibid.
intermedius	.. ..	..	Hamsey; Ringmer; Nor-
gibbosus	.. ..	..	Folkstone. [wich.
spiniger	.. t. 216	..	Ibid.
tuberculatus	.. ..	..	Ibid.
turgidus	.. ..	..	Ibid.
nodosus	.. ..	..	Ibid.
plicatilis	.. t. 234	..	Hamsey; Warminst.
armatus	.. t. 168	..	Hamsey; Lewes; Norwich
ellipticus	Geol. Suss. t. 23, f. 9	..	Ringmer, Sussex.
Scaphites æqualis	Min. Con. t. 18	L. or U. Gn. Sand?	Yeovil, Somerset.
striatus	Geol. Suss. t. 22, f. 3	Chalk Marl	Hamsey & Brighton.
costatus	.. t. 22, f. 8 & 12	..	Ibid.
obliquus	Min. Con. t. 18	Chalk	Ibid.
Baculites obliquatus	.. t. 592	Chalk Marl	Lewes & Hamsey.
Faujasii	.. ..	..	Lewes; Norwich.
Amplexus coralloides	.. t. 72	Limestone	Blk. Rock, Limerick.

VERTEBRAL ANIMALS.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
PISCES			
<i>Acanthopterygii</i>			
Anarhichas Lupus ?	Smith, f. 7 & 8	Forest Marble	Stonesfield, Oxon.
Chætodon ?	Geol. Eng. & W. p. 267	Lias	Barrow-on-Soar.
Dapedium politum	Geol. T. 2 ser. i. t. 6	..	Lyme Regis.
Zeus Lewesiensis	Geol. Suss. t. 35	Chalk	Lewes; Gravesend.
Xiphias gladius ?	Park. Oryc. p. 271	Mt. Limestone	—
Diodon ?	Geol. Suss. t. 32, f. 18	Chalk	Southdowns, Sussex.
<i>Malacopterygii</i>			
Salmo Lewesiensis	Geol. Suss. t. 33, f. 12	Chalk	Lewes; Norwich.
Amia Lewesiensis	.. t. 37	..	Lewes.
Osteolepis macrolepidotus	G. T. 2 ser. iii. p. 144	Slate	Caithness, N. B.
microlepidotus	.. ..	..	Ibid.
Lepisosteus	Tilg. Foss. t. 5, f. 4	Tilgate Beds	Billinghurst, Sussex.
Esox Lewesiensis	Geol. Suss. t. 41, f. 1	Chalk	Lewes.
Dipterus brachypogopterus	G. T. 2 ser. iii. t. 17, f. 1	Bituminous Schist	Caithness, N. B.
macropogopterus	.. t. 15, f. 1	..	Ibid.
Valenciennesii	.. t. 16, f. 1	..	Ibid.
macrolepidotus	.. f. 2	..	Ibid.

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Palæothrissum magnum</i>	G.T. 2 ser. iii. t. 8, f. 1	Marl Slate	Midderidge & Stock-
<i>macrocephalum</i>	.. t. 9, f. 2	..	Ibid. [ton.
<i>elegans</i>	.. f. 1	..	Ibid.; E. Thickley.
<i>Silurus</i> ——— (fins)	Tilg. Foss. t. 10, f. 4	Tilgate Beds	Tilgate Forest, Suss.
<i>Muraena Lewesiensis</i>	Geol. Suss. t. 39, f. 11	Chalk	Lewes.
<i>Chondropterygii</i>			
<i>Squalus cornubicus</i>	Geol. Suss. t. 32, f. 1	Chalk	Norwich; Lewes.
<i>Mustelus</i>	.. f. 2, 3	..	Ibid.; Hamsey.
<i>zygæna</i>	.. f. 4, 7, 8	..	Lewes; Norwich.
<i>Galeus</i>	.. f. 12, 14	..	Ibid.; Hamsey.
<i>Phillipsii</i>	.. f. 22	..	Lewes; Norwich.
<i>Raia clavata</i>	Smith, f. 10 & 14	Crag	Thorpe; Southwold.
<i>Trygon</i> ———	Fleming, p. 170	London Clay	Highgate, Middles.
<i>Balistes?</i> ——— (radius)	Geol. Suss. t. 33, f. 5	Chalk	Lewes.
REPTILIA			
<i>Sauria</i>			
<i>Pterodactylus macronyx</i>	G. T. 2 ser. iii. t. 27	Lias	Lyme Regis.
<i>Mosasaurus Hoffmannii</i>	Geol. Suss. t. 33	Chalk	Lewes. [field.
<i>Megalosaurus Bucklandi</i>	Tilg. Foss. t. 9, &c.	Tilgate Beds	Pounceford; Stones-
<i>Ichthyosaurus latifrons</i>	König. Icon. 250	Lias	Balderton, Notts.
<i>communis</i>	Geol. T. 2 ser. i. t. 49	..	Lyme Regis.
<i>Platyodon</i>	.. t. 15, 16	..	Ibid.
<i>tenuirostris</i>	.. ..	..	Ibid.
<i>intermedius</i>	.. t. 15, 17	..	Ibid.
<i>coniformis</i>	Fleming, p. 154	..	Bath.
<i>Plesiosaurus dolichodeirus</i>	G.T. 2 ser. i. t. 48	..	Lyme Regis.
<i>recentior</i>	.. t. 18, 19	Kimmeridge Clay	Weymouth.
<i>priscus</i>	.. ..	Tilgate Beds	Tilgate Forest.
<i>Iguanodon</i> ———	Tilg. Foss. t. 4, 10, 12	..	Ibid.
<i>Leptorhyncus</i> ———	.. t. 7, f. 5	..	Ibid.
<i>Crocodylus</i> ———	Geol. T. v. p. 591	Cornbrash	Gibraltar nr. Oxford
<i>priscus</i>	.. ..	Coral Rag	Weymouth.
	Tilg. Foss. t. 10, f. 5	Tilgate Beds	Tilgate Forest.
	Geol. T. ii. p. 194	London Clay	Isle of Sheppey.
<i>Chelonia</i>			
<i>Chelonia</i> ———	Park. Oryc. p. 303	Lias	Bristol.
<i>antiqua</i>	.. ..	Stonesfield Slate	Stonesfield, Oxon.
	König. Icon. 232	London Clay	Isle of Sheppey.
	Org. Rem. iii. t. 18, f. 2	..	Ibid.
<i>Harvicensis</i>	(vide figure.)	..	Harwich, Essex.
<i>Trionyx</i> ———	G. T. 2 ser. iii. pl. 16	Bituminous Schist	Caithness, N. B.
	Tilg. Foss. t. 6 & 7	Tilgate Beds	Tilgate Forest.
<i>Emys</i> ———	.. ..	..	Ibid.
AVES			
<i>Anas sponsor</i>	Buckland, t. 11, f. 28	Diluvium	Kirkdale C. Yorksh.
<i>Corvus corax</i>	.. f. 19	..	Ibid.
<i>Alauda arvensis</i>	.. f. 24	..	Ibid.
<i>Perdix cinerea</i>	Phillips, p. 177	..	Ibid.
<i>Columba</i> ———	Buckland, t. 11, f. 26	..	Ibid.
MAMMALIA			
<i>Cetacea</i>			
<i>Balæna</i> ———	G. T. 2 ser. iii. p. 202	Diluvium	Brighton Cliff.
<i>Monodon monoceros?</i>	Park. Oryc. p. 275	London Clay	

CLASS, <i>Family</i> , Genus and Species.	Reference.	Strata.	Localities.
<i>Solipeda</i>			
<i>Equus caballus</i>	Buckland, p. 18	Diluvium	Kirkdale; Hasboro.
<i>Ruminantia</i>			
<i>Bos Taurus</i>	Fleming, p. 24	Alluvium	Dilham Canal, Norf.
<i>Urus</i>	.. ..	..	Walton, Essex.
<i>Cervus alces Hibernicus</i>	Org.Rem.iii. t.20, f.1	Diluvium	Hasborough, Norf.
<i>dama?</i>	Fleming, p. 26	..	Ibid.
<i>Antelope</i> ———	Phil. Tr. 1757, p.112	..	Newbery, Berks.
<i>Pachydermata</i>			
<i>Mastodon</i> ———	Smith, t. 1	Crag	Whitlingham, Norf.
<i>latidens</i>	M. S. Geol. Norfolk	Diluvium	Horstead, ditto.
<i>Elephas primogenius</i>	Edin. Phil. J. 1827	..	Knole Sand, Norf.; Char-
<i>Asiaticus</i>	Org.Rem.iii. t.20, f.8	..	Hasborough. [mouth.
<i>Africanus</i>	.. f. 6	..	Ibid.
<i>Rhinoceros</i> ———	Buckland, t. 7, f. 3	..	Ib.; Kirkdale Cave; Lyme
<i>Hippopotamus</i> ———	.. t. 22, f. 5	..	Kirkdale; Hasboro.
<i>Sus</i> ———	Phil. Tr. 1757, p.112	Alluvium	Newbery, Berks.
<i>Rodentia</i>			
<i>Mus musculus</i>	Buckland, t. 11, f. 7	Diluvium	Kirkdale Cave,
<i>decumanus</i>	.. f. 1	..	Ibid. [Yorksh.
<i>Lepus timidus</i>	.. t. 13, f. 8	..	Ibid.
<i>cuniculus</i>	.. t. 10	..	Ibid.
<i>Castor fiber</i>	Phil. Tr. 1757, p. 112	Alluvium	Newbery, Berks.
<i>Carnivora</i>			
<i>Ursus spelæus</i>	Buckland, p. 35	Diluvium	Kirkdale Cave.
<i>Vulpes vulgaris</i>	.. t. 6	..	Ibid.
<i>Mustela vulgaris</i>	.. ..	..	Ibid.
<i>Felis tigris</i>	.. t. 6, f. 5	..	Ibid.
<i>Canis lupus</i>	.. p. 18	..	Ibid.
<i>hyæna</i>	.. t. 4	..	Ibid.

NOTES,

&c.

Fossil Seed-vessels of various kinds from the London Clay, Isle of Sheppey, are figured and described by Dr. James Parsons, in the *Phil. Trans.* VOL. L. part i. p. 396, and by Parkinson in his *Organic Remains*, VOL. I. tab. 6 and 7.

Wood.—Remains of Dicotyledonous Plants are found in the Lias, and in all the super strata. Among those the most interesting to the collector, are—the Trunks of Trees found in the Oolite of the Isle of Portland—the specimens in the Green Sand of the Blackdown Pits, Devonshire—the Bovey Coal of Bovey Tracey, Devonshire, (*Org. Rem.* VOL. I. tab. 1, fig. 3)—and another kind found in the London Clay, generally perforated by *Fistulana personata*, (*Org. Rem.* VOL. I. tab. 9, fig. 9). Specimens from the last-named deposit are found on the Essex Coast; they are jet black, silicious, and retain the character of recent wood. (*Org. Rem.* VOL. I. tab. 2, fig. 6). The remains of the Submarine Forest of our Eastern Coast are found in the greatest perfection on the beach at Palling, in Norfolk; these are bouldered fragments strongly impregnated with the oxyde of iron, the pores and fibres remaining perfect.

Ætites, or Eagle Stones.—In the Diluvial Gravel of Norfolk, and other counties, are found spherical flints, about one inch in diameter, having a nucleus of Alcyonitic origin; this nucleus is sometimes loose, the pebble is then denominated an Eagle Stone.—*Org. Rem.* VOL. II. tab. 12, fig. 5.

St. Cuthbert's Beads.—Single joints of the vertebral column of the Encrinite (*Apiocrinites rotundus*) pass under this name.—Vide Scott's *Marmion*, Canto ii. stanza 16, and *Org. Rem.* VOL. II. tab. 13.

The Entrochal Limestone of Derbyshire has its name from portions of the same column being imbedded therein.—When the Entrochite is absorbed, the cast is denominated *Screw-stone*.

Star Stones.—Single joints of the Pentacrinital column are so called; they are particularly abundant in the Cliffs of Lyme and Charmouth, Dorsetshire.—*Org. Rem.* VOL. II. tab. 13.

Echinidæ.—Silicious casts of some of the Genera of this Order are exceedingly interesting; these principally occur in the flints of Diluvial Gravel, and are generally known by the name of Fairies' Stones. The *Cidaris corollaris* of Parkinson (*Org. Rem.* VOL. III. tab. 1, fig. 7,) is a flint cast of *Echinus saxatilis* (tab. 3, fig. 1).

Echinital Spines are confined to the two Genera, *Echinus* and *Cidaris*; those belonging to the first, being attached to the epidermis or external covering only, are small and acicular, and belong to *E. germinans* of the Bath Oolite and *E. Königi* of the Chalk. The spines of *Cidari* are attached to the papillæ by an internal muscle, and are of considerable size. *C. papillata* of the Coral Rag are clavate; they are the *Lapides Judaici* and Petrified Olives of the early writers. Muricated and Cucumerine spines are tolerably abundant in the Hard Chalk; they belong to a variety of *C. papillata*.

Insects.—Lhwyd, in his *Lythophylacii*, tab. 4, has figured four insects from the Coal Shale; these are copied by Parkinson, in his *Organic Remains*, VOL. III. tab. 17, fig. 3. Remains of Coleopterous Insects occur in the Stonesfield Slate, but I am not aware that any figures of them are published. Insects are sometimes found in the clear Amber of our Eastern Coast; they belong mostly to the order Diptera.

Pholas.—In the Mud Cliffs (as they are locally termed) of the Norfolk Coast, are found casts of the Cavities formed by the *Pholas*; one in the possession of the Rev. James Layton, of Catfield, is three inches long, and five inches in circumference; one side is broken away, by which the shell is discoverable, which appears to be allied to *P. crispatus*; this is the largest specimen I have seen.

Trigonia.—Casts of *Trigonia* abound in the Portland Oolite, to the great loss of the mason and waste of the stone; they are locally termed Horse-heads.—*Org. Rem.* VOL. III. tab. 12, fig. 12.

Inoceramus.—Shells of fibrous texture, as *Inocerami* and *Belemnites*, have been subject to the perforations of minute insects and

worms; these perforations, when the shell has been imbedded in flint, are filled with silex; the flint having been removed by diluvial agency from its original situation in the Chalk, the shell has been absorbed, leaving the casts under notice, figures of which are engraved in *Organic Remains*, VOL. II. tab. 8, fig. 10, and tab. 12, fig. 3; *Geol. Trans.* VOL. II. tab. 12, and *Edinburgh Phil. Trans.* VOL. IX. tab. 25 and 26.

Terebratulæ.—Very beautiful casts of the species common to the Chalk, (denominated Hysterolites, *Geol. Trans.* 2nd ser. VOL. I. p. 329), are found in the flints of the Diluvial Gravel; sometimes the cavities in the flints are lined with quartz crystals.

Belemnites.—Silicious casts of the alveolar cavity of *B. electrinus*, denominated Callirhoe, (Parkinson's *Oryctology*, p. 173), are of frequent occurrence in the flints of the Diluvial Gravel.—*Org. Rem.* VOL. III. tab. 8, fig. 15.

Orthocera.—The Chambers of these fossils are sometimes found detached, forming a meniscus, having the sides highly polished.

Ammonites.—Detached casts of the Chambers of these fossil Shells are named by Parkinson, Spondylolites.—*Organic Remains*, VOL. III. tab. 9, fig. 3.

Palatal Bones.—Those denominated Bufonites, belonged to Cartilagenous Fishes, of the Genus Anarhichas; they are of a dark brown or black colour, hemispherical, of a good polish, and are found in the Stonesfield Slate, Oolite, and Tilgate Beds. Figures of these are engraved in *Organic Remains*, VOL. III. tab. 19, figs. 6, 7, and 12; Smith's *Strata Identified*, Forest Marble Table, figs. 7 and 8; and Mantell's *Tilgate Fossils*, tab. 10, fig. 2.

The leach-formed Palates occur in the Lias Beds and Limestone of Wiltshire and Oxfordshire; vide *Organic Remains*, VOL. III. tab. 19, fig. 15; and Smith's *Strata Identified*, Forest Marble Table, fig. 10; at fig. 9, is shewn one of the rhomboidal Palates from the same Strata.

In the Chalk Stratum are three different kinds of Palates, probably belonging to as many species of Diodon; the finest kind occurs in the Kent Chalk; they are oblong, about two inches by one and a quarter, and of a pale clay colour, sulcated on the surface with six or eight sulci.—*Organic Remains*, VOL. III. tab. 19, fig. 18. The next kind are found in Sussex, they are elliptical, having nearly equal sides, and about one inch and a half over; the grinding surface is a pale clay

colour, while the margin is a dark brown; the sulci are eight or ten in number. The last kind are found in the hard Chalk of western Norfolk, and are much smaller than the preceding; they are the same colour as the first kind, but the sulci are twice as numerous, their form is nearly oval.—*Organic Remains*, VOL. III. tab. 18, fig. 12.

Squalus.—Teeth and Vertebrae of the Shark occur in the Hard Chalk of Sussex, Cambridge, and Norfolk; the Teeth are found in the Tilgate Beds, and in all the super strata; those from the Chalk are the most interesting to collectors; the London Clay specimens next. They are of frequent occurrence in the Essex Crag, as is also a triangular Tooth, about an inch long, belonging to a fish of the same genus.—*Organic Remains*, VOL. III. tab. 19, fig. 2.

Birds.—The bones of Birds described as occurring in the Stonesfield Slate, are now determined to belong to a species of *Pterodactylus*.—*Geol. Trans.* 2nd ser. VOL. III. p. 219.

Coprolites.—Dr. Buckland, in his researches, has discovered that the Bezoar stones of the Dorsetshire coast, and the Juli of the Hard Chalk, are petrified faecal substances; on this subject he has given a paper in the *Geol. Trans.* VOL. III. 2nd ser. p. 223, with numerous figures. Dr. B. designates those found with *Icthyosauria* in the Lias, *Icthyo-sauro-coprus*, (tab. 29); those found with *Amia*, in the same beds, *Amia-coprus*; those in the Chalk of Cherry Hinton, Cambridge-shire, hitherto considered the Juli of the Larch, *Iulo-eido-coprus*, (*Org. Rem.* VOL. I. tab. 6, figs. 15 and 17.); and the faecal matter of the Hyæna, from the Kirkdale Cave, *Hyæno-coprus*, (*Reliquiæ Diluviana*, tab. 10, fig. 6).

Chelonia Harvicensis.—The Fossil Turtle, a lithograph of which I made to place at the head of this work, was presented to The Norfolk and Norwich Museum, by the Rev. J. H. Bloom, of Wells, now of Eaton Villa, near Norwich. It was dredged up in 1827, on the "Stone Ridge," four miles out at sea from Harwich harbour, and is considered the finest specimen this country has produced. It was imbedded in a cement stone (belonging to the London Clay stratum), of a compressed ovate form, which on breaking up the fossil was discovered; the part figured is, as represented, uninjured, but the upper part, containing the Carapace, is broken into several fragments. It is said to have weighed, when perfect, one hundred and eighty pounds, and it measures eighteen inches by twenty-two.

The figures which Cuvier has given in his *Ossements Fossils*, VOL. V. tab. 13, figs. 2 and 3, as the *Chélonée de Maestricht*, precisely agree with this specimen; the shield-formed part in the figure represents the extent of the testaceous covering of which it is the cast; the shell, as before stated, is attached to the other part, and is from one-eighth to one-fourth of an inch thick. The fragments seen forming a band around it near the edge of the stone, are the remains of the border of the Carapace, the intermediate space being (according to Cuvier) covered with a cartilaginous substance, which was converted into shell as the animal advanced in age. The spine is imbedded in the substance of the stone, and along the central line are seen the processes of attachment to the Carapace, and on each side of these are the broken ends of the ribs, which were sixteen in number.

Mastodon.—Some doubts have been entertained if Remains of this animal existed with us; it appears, however, that the fine Grinder, figured in Tab. 1, Smith's *Strata Identified*, belonged to that animal; it was found in the Crag Stratum at Whitlingham, near Norwich. A young Tooth was found in 1824, at Horstead, in the same county, precisely like one brought from Ava, by Capt. Crawford, and named by Professor Buckland, *Mastodon latidens*. (*Geol. Trans.* VOL. II. 2nd ser. tab. 37, fig. 4). I have a fragment in my collection, which I took out of the Crag at Bramerton.

Elephas.—The finest deposit of these Remains is on the Oyster Bank off Hasborough, on the Norfolk Coast; many hundred Grinders have been taken up from this locality, and bones without number. The Rev. James Layton, of Catfield, has the largest collection from this interesting deposit; among which, is a Tusk of the Mammoth, (*E. primogenius*), found on the Knole Sand, on the same coast, in 1826, which weighs ninety-six pounds, and measures nine feet and a half on the outside of the curvature.

Of the alterations which have been made in the nomenclature of Fossils, the following appear to be the most prominent:—

Osmunda gigantea of *Martin*, is *Nevropteris flexuosa* of *Brongniart*.

Pecopteris reticulata of *Tilg. Foss.* t. 3, f. 5, is *Lonchopteris Mantelli* of ditto.

Mantellia nidiformis of *Brong. Prod.*, is *Cycadeoidea megalophylla* of *Buckland*.

Tortoise encrinure of *Org. Rem.* ii. t. 13, f. 24, is *Marsupites Ornatus* of *Miller*, and *Marsupites Milleri* of *Mantell*.

Dudley fossil of *Parkinson*, is *Calymena Blumenbachii* of *Brongniart*.

Teredo antennata of *Sow. Min. Con.* t. 102, is *Fistulana personata* of *Sowerby*.

Nucula lanceolata of *Sow. Min. Con.* t. 180, is *N. oblonga* of *Sowerby's Genera*.
Calyptræa Sinensis of *Org. Rem.* iii. t. 5, f. 10, is *Infundibulum rectum* of *Sowerby*.

Vivipara fluviorum of *Sow. Min. Con.* t. 31, is *Paludina vivipara* of Authors.

Eburna glabrata of *Org. Rem.* iii. t. 5, f. 25, is *Buccinum Dalei* of *Sowerby*.

Belemnites coniformis of *Org. Rem.* iii. t. 8, f. 15, is *B. abbreviatus* of *Miller*.

Belemnites mucronatus of *Sow. M. C.* t. 600, is *Belemnites electrinus* of ditto.

Nautilites hiuleus of *Martin*, is *Bellerophon hiuleus* of *Sowerby*.

Ammonites Luidii of *Martin*, is *Nautilus Luidii* of *Fleming*.

Ammonites modiolaris of *Smith*, is *Ammonites sublævis* of *Sowerby*.

Since the publication of the "Geology of the Yorkshire Coast," Mr. Phillips has discovered that the following Fossil Plants named in that work, have been otherwise named by M. Brongniart, in his "Prodrome, &c."—I have thought proper to retain both, until the appropriate nomenclature is determined by these gentlemen.

PHILLIPS.	BRONGNIART.
<i>Sphenopteris stipata</i>	<i>Sphenopteris hymenophylloides</i>
——— <i>lanceolata</i>	<i>Pachypteris lanceolata</i>
<i>Pecopteris crenifolia</i>	<i>Pecopteris polypodioides</i>
——— <i>hastata</i>	——— <i>Whitbiensis</i>
——— <i>ligata</i>	——— <i>denticulata</i>
<i>Aspleniopteris Nilsoni</i> ?	<i>Tæniopteris latifolia</i>
<i>Lycopodites uncifolius</i>	<i>Lycopodites Williamsonis</i>
<i>Cycadites latifolius</i>	<i>Zamia Youngii</i>
——— <i>gramineus</i>	——— <i>elegans</i>
——— <i>lanceolatus</i>	——— <i>Mantelli</i>
——— <i>pectenoides</i>	——— <i>pennæformis</i>
——— <i>sulcicaulis</i>	<i>Zamia longifolia</i> .
——— <i>comptus</i>	<i>Pterophyllum Williamsonis</i>

The Genus *Bellerophon* is placed in the Family *Columellaria*, by the advice of Dr. Fleming, it having been determined that it is not a chambered univalve.

At page 4, for *Flustra reticularis*, read *Flustra utricularis*.

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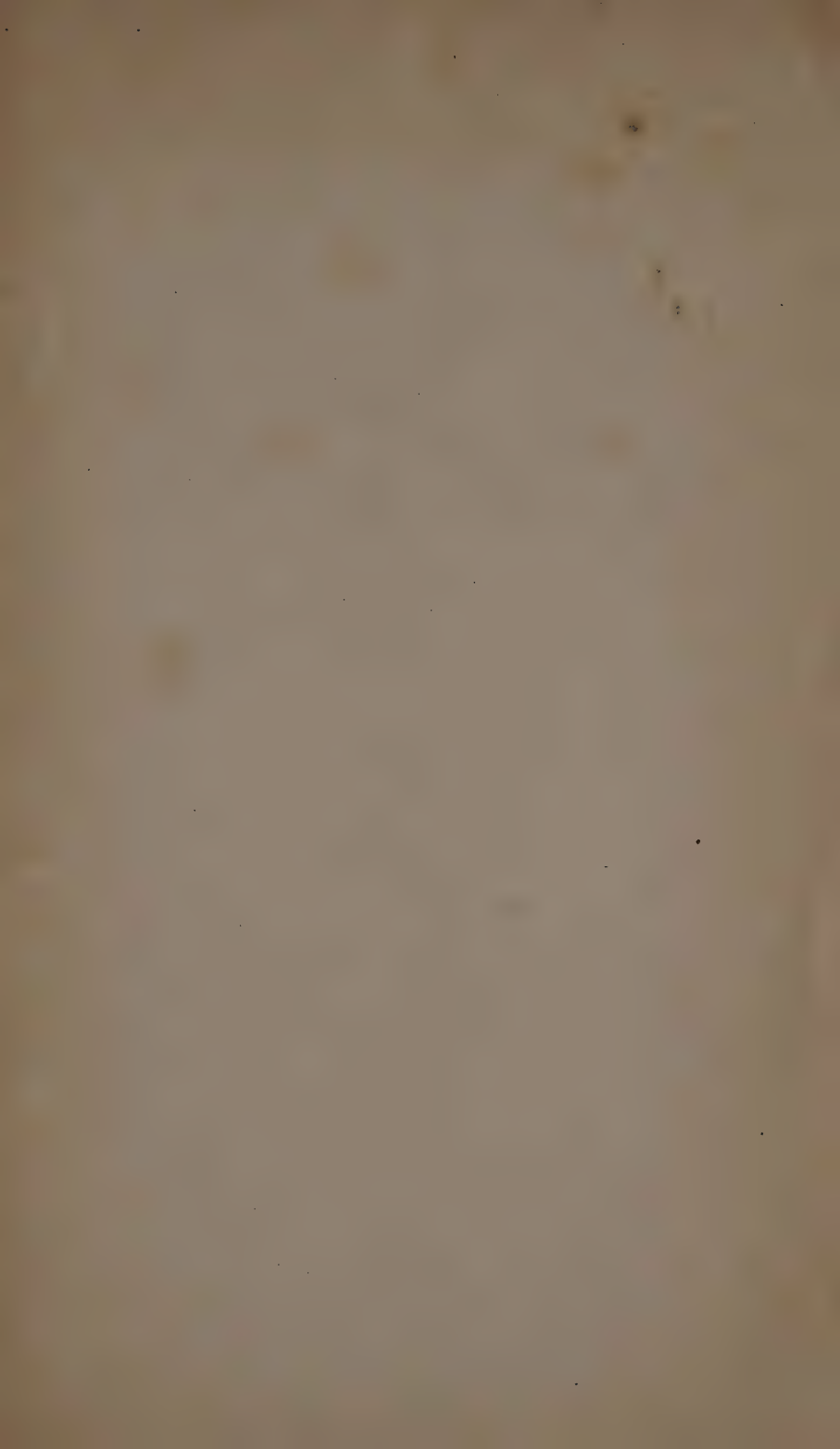
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FINIS.





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